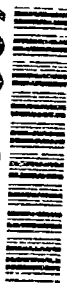


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AIR FORCE OFFICE OF SCIENTIFIC RESEARCH

RESEARCH PROPOSAL QUARTERLY STATUS REPORT

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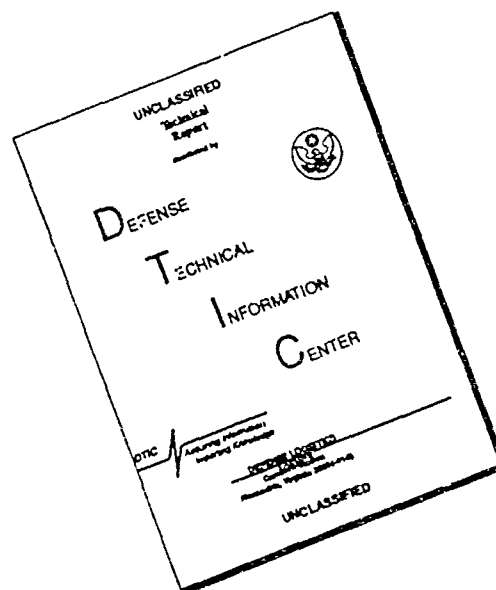
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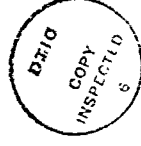
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6c. ADDRESS (City, State, and ZIP Code) Building 410 Bolling AFB DC 20332-6448			7b. ADDRESS (City, State, and ZIP Code) Building 410 Bolling AFB DC 20332-6448		
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RESEARCH PROPOSAL

QUARTERLY STATUS REPORT

JANUARY 1992



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INTRODUCTION

The Research Proposal Quarterly Status Report is published in March, June, September, and December by the Air Force Office of Scientific Research (AFOSR). It lists all the research proposals received by AFOSR in the previous six months along with the action taken (Initiated, Declined or Withdrawn) on each report.

The report is divided into two parts. The Institution index lists proposals alphabetically by institution. This is followed by a more detailed listing by Directorate, and by Program Manager within the Directorate.

PURPOSE

This report is designed to inform other Government sponsoring agencies of the proposals received by the AFOSR and the action taken on these proposals. Readers must keep in mind that declined proposals should not necessarily be considered as scientifically unacceptable; many declinations result from a lack of funds or as a result of special programmatic emphasis.

AFOSR MISSION

The Air Force Office of Scientific Research (AFOSR) is the single manager of the Air Force Defense Research Sciences Program (Program Element 61102F) and the primary Air Force agency for the extramural support of fundamental scientific research. The AFOSR is organized under the Air Force Systems Command, DCS/Technology.

AFOSR awards grants and contracts for research in areas of science relevant to the needs of the Air Force. Research is selected for support from proposals received in response to the Broad Agency Announcement from scientists investigating problems involving the search for new knowledge and the expansion of scientific principles. Selection is on the basis of scientific potential for improving Air Force operational capabilities, originality, significance to science, the qualification of the principal investigators, and the reasonableness of the proposed budget.

KEY TO READING THE DATA

TITLE - The title of the research proposal

INSTITUTION - The organization, (e.d., college/university, company) at which the research will be conducted.

INVESTIGATOR - The Principal Investigators proposing the research.

TYPE - N indicates a new research effort.

- R indicates a continuation of an ongoing research effort.

MONTHS - The duration of the research proposal.

RECEIVED - The month and year in which the AFOSR received the proposal.

AMOUNT - The funds requested of the AFOSR for support of the research proposal.

STATUS - A = ACCEPTED indicates that the review has been completed and the proposal recommended for funding.

- D = DECLINED indicates the proposal has been reviewed but will not be funded by the AFOSR.

- BLANK SPACE = indicates the proposal is being reviewed.

- W = WITHDRAWN indicates that the proposal submitted was removed from further consideration at the proposers request.

PROGRAM MANAGER - The AFOSR scientific staff member assigned the responsibility for the technical evaluation of the proposal.

PROPOSAL # - An AFOSR Directorate assigned control number to uniquely identify the research proposal.

INITIATE - The proposal has been recommended to the AFOSR Directorate of Contracts for the amount and duration.

START DATE - The recommended date for commencement of the research.

TOTAL AMOUNT - The estimated number of dollars recommended for support of the research effort; the actual amount is subject to negotiation.

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PART 1

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INSTITUTION

AIR FORCE INSTITUTE OF TECHNOLOGY

AMERICAN CHEMICAL SOCIETY AMERICAN REGISTRY OF PATHOLOGY

ARIZONA STATE UNIVERSITY

ARMY RESEARCH OFFICE BOSTON UNIVERSITY

BROWN UNIVERSITY

CALIFORNIA INSTITUTE OF TECHNOLOGY

CALIFORNIA STATE UNIVERSITY, FULLERTON CAMBRIDGE UNIVERSITY (CAVENDISH LAB) CARNEGIE-MELLON UNIVERSITY

LAST NAME	FIRST NAME	MIDDLE	PROPOSAL	STATUS	PH NAME
MALL	S.		92-NC-099		ROSENSTEIN
PALAZOTTO	ANTHONY	N	92-NA-009		WU
PERHAM	GLEN	P	92-NC-099		BERMAN
YEE	YUNG KEE		92-NE-124		POMRENKE
THIEG	ROBERT		92-NC-008		LEE
WEHM	WILLIAM	J	92-NC-107	A	CERVENY
			92-NL-109	A	CERVENY
AKERS	LEX	A	92-NM-094		SUDDARTH
COCHAN	DOUGLAS		92-NM-046		SJOGREN
FAN	GENGHUA		92-NM-109		GLASSMAN
MURLBERT	GLENN		92-NM-128		GLASSMAN
KOURIS	DEMITRIS	A	92-NA-058		JONES
APACAS	GEORGE	N	92-NE-075		POMRENKE
NICOLAENKO	BASIL		92-NM-028		NACHMAN
PEED	HELEN	L	92-NA-022		SAKELL
			92-NA-117		MCMICHAEL
UTTAL	WILLIAM	R	92-NL-037	A	TANGNEY
WEIN	A. CAVIS		92-NI-002	A	CAVENDER
BAILLIEUL	JOHN		92-NM-119		JACOBS
COHEN	MICHAEL	A	92-NL-125	A	TANGNEY
FORBES	JERREY	A	92-NL-077		STOBIE
GROSSBERG	STEPHEN		92-NL-090		TANGNEY
MOHLFELD	ROBERT	G	92-NL-100		STOBIE
			92-NL-101		STOBIE
HUGHES	W	J	92-NL-110		RADOSKI
NAGH	RAYMOND	J	92-NM-152		NACHMAN
DEAN	THOMAS	L	92-NM-166		WAKSMAN
MORSE	THEODORE	E	92-NE-061		SCHLOSSER
SHELDON	BRIAN		92-NC-075		BURGGRAF
ABU-MOSTAFA	YASER	S	92-NM-155		SUDDARTH
BALDI	PIERRE	F	92-NM-055		SUDDARTH
BRIDGES	WILLIAM	B	92-NE-163		CRAIG
DOYLE	JOHN	C	92-NM-099		JACOBS
GRUBBS	ROBERT	H	92-NC-013		HEDBERG
MARDER	SETH	R	92-NC-041		LEE
MCGILL	THOMAS	C	92-NE-066		POMRENKE
MCKOY	VINCENT		92-NC-042		BURGGRAF
			92-NC-092	A	BURGGRAF
TAI	YU-CHONG		92-NA-110		MCMICHAEL
ZEWATL	AHMED	H	92-NA-113		BERMAN
FINLAYSON-PITTS	S	J	92-NL-045	D	CERVENY
BRADLEY	DOHAL	C	92-NE-117		CRAIG
BERRY	GUY	C	92-NC-058		LEE
BOODSON	MARC		92-NM-126		JACOBS
CASASANT	DAVID	P	92-NE-020		CRAIG
GREVE	DAVID		92-NE-056		POMRENKE
KUMTA	PRASHANT	N	92-NC-034		HEDBERG
POLOCK	TRESA	H	92-NC-117		ROSENSTEIN

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INSTITUTION	INVESTIGATOR	LAST NAME	FIRST NAME	MIDDLE	PROPOSAL	STATUS	PM NAME
CASE WESTERN RESERVE UNIVERSITY	BRADLEY	MICHAEL	J	92-NC-066		BURGGRAF	
	SIMMONS	REID	S	92-NC-164		SUDDARTH	
	SKOPOVSKI	WAREK		92-NC-094		POMRENKE	
	SMITH	STEPHEN		92-NC-159		WAKSMAN	
	BALLARINI	ROBERTO		92-NC-063		JONES	
	WELSCY	G.		92-NC-081		ROSENSTEIN	
	SHICA	MATSDU		92-NC-126		ERSTFELD	
	CELALE	REPICUN		92-NC-020	D	BURGGRAF	
	SAPACHIK	MYRIAM		92-NC-013		WEINSTOCK	
	TJIAS	SIGMUND		92-NC-014	A	FREGLY	
CITY COLLEGE - CUNY	ALFANO	ROBERT	R	92-NC-119		POMRENKE	
				92-NC-140		SCHLOSSBER	
CITY UNIVERSITY OF NEW YORK	COVIN	STEPHEN		92-NC-127		JONES	
	SMITH	FREDERICK		92-NC-135		POMRENKE	
CLARKSON UNIVERSITY	FORAS	ATHANASSIOS	W	92-NC-021		NACHMAN	
	KAUP	DAVID	J	92-NC-025		NACHMAN	
CLEMSON UNIVERSITY	LAVINE	BARRY	K	92-NC-109		HEDBERG	
	ADAMS	WARREN	P	92-NC-090		GLASSMAN	
CLEVELAND STATE UNIV-COLL OF ENGINEERING	DUNCAN	LEWIS	M	92-NC-109		STOBIE	
	GOREE	JAMES	G	92-NC-135		JONES	
	LARSEN	MIGUEL	F	92-NC-080		STOBIE	
	WANG	TING		92-NC-115		FANT	
	KESNICK	EDWARD	S	92-NC-119		SAKELL	
	BERNHART	MARK	E	92-NC-003		ROSENSTEIN	
	COTTON	WILLIAM	R	92-NC-078		STOBIE	
	ROBINSON	GARY	Y	92-NC-067		POMRENKE	
	SRIVASTAVA	JAGDISH	H	92-NC-174		SJOGREN	
	AUSTON	DAVID	H	92-NC-103		SCHLOSSBER	
COLORADO STATE UNIVERSITY	CHAN	SIU-WAI		92-NC-011		WEINSTOCK	
	CSGOOD, JR	RICHARD	M	92-NC-064		SCHLOSSBER	
COLUMBIA UNIVERSITY	POTASEK	MARY	J	92-NC-135		NACHMAN	
	SIMCHI-LEVI	DAVID	J	92-NC-055		GLASSMAN	
CORNELL UNIVERSITY	TURRO	NICHOLAS	J	92-NC-151		HEDBERG	
	PALLANTYNE	JOSEPH	M	92-NC-090		CRAIG	
	EASTMAN	LESTER	F	92-NC-071		WITT	
	HEALEY	TIMOTHY	J	92-NC-073		NACHMAN	
	HQ	WILSON	J	92-NC-005		POMRENKE	
	HOLMES	PHILLIP	J	92-NC-054		NACHMAN	
	HOUSTON	PAUL	L	92-NC-020		BERMAN	
	HUTTENLOCHER	DANIEL	P	92-NC-074		GLASSMAN	
	ISAACSON	MICHAEL	C	92-NC-079		POMRENKE	
	KELLEY	MICHAEL		92-NC-093		STOBIE	
CORNELL UNIVERSITY	LUMLEY	JOHN	L	92-NC-106		MCMICHAEL	
	MAUSEN	EUGENE	L	92-NC-094		CERVENY	
	MAISON	JOHN	A	92-NC-035		BASKER	
	MAISON	JOHN	A	92-NC-109		BASKER	

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INSTITUTION	LAST NAME	INVESTIGATOR	FIRST NAME	MIDDLE	PROPOSAL	STATUS	PM NAME
CREIGHTON UNIVERSITY DARTMOUTH COLLEGE	CHER		CHRISTOPHER	K	92-NC-061		HEDBERG
	PAJ		RISHI		92-NC-077		ROSENSTEIN
	STONS		SIDNEY	J	92-NC-106		CORNETTE
	ANDRELL		DOETHY	M	92-NC-106		JACOBS
	WUGHES		RUSSELL	D	92-NC-060		HEDBERG
CREVEL UNIVERSITY	SONNEFUP		BYOT	D	92-NC-111		RADOSKI
	SUEZ		ALLOH		92-NC-091		SUDDARTH
	POPOVICS		SANDOR		92-NC-054		WU
	HAYS		ALBERT	S	92-NC-040		JONES
	KENNEDY		MIKE		92-NC-124	A	SAKELL
EASTERN SPACE & MISSILE CENTER EHRICH ASSOCIATES	ERLICH		DAVID		92-NC-120	A	SCHLOSSBER
					92-NC-143		SCHLOSSBER
			MICHAEL	C	92-NC-032		BERMAN
			HANCI	A	92-NC-175		SUGREN
			ROBERT	S	92-NC-010		REGLY
EMORY UNIVERSITY ENVIRONMENTAL RSCH INSTITUTE OF MICH ESSEX CORPORATION	MARINA		CAROLYN		92-NC-045		ERSTFELD
	PREFER		RICHARD	L	92-NC-006		STOBIE
					92-NC-047		STOBIE
					92-NC-040		NACHMAN
					92-NC-064		SUGDARTH
GEORGE MASON UNIVERSITY	HINTZ		KENNETH	J	92-NC-081		GLASSMAN
GEORGIA INSTITUTE OF TECH	WU		ANDREJ	L	92-NC-185		JACOBS
			STEPHEN	C	92-NC-131		ROSENSTEIN
			SATYA	M	92-NC-052		WU
			SATISH		92-NC-023		HEDBERG
					92-NC-036	M	HEDBERG
GEORGIA TECH RESEARCH CORPORATION	MCOWELL		DAVID	L	92-NC-074		JONES
	NEHMAUSER		GEORGE	L	92-NC-160	A	GLASSMAN
	BERGER		MARC	A	92-NC-063		NACHMAN
	BRUNG		JSCAR	P	92-NC-044		NACHMAN
	WINE		PAUL	H	92-NC-021		BERMAN
GORDON RESEARCH CONFERENCES INC	ABRUNA		HECTOR	D	92-NC-125	D	WILKES
	CRUICKSHANK		ALEXANDER		92-NC-039		WITT
	CRUICKSHANK		ALEXANDER	M	92-NC-131		SCHLOSSBER
	HAIR		MICHAEL	L	92-NC-085		ERSTFELD
	ROZZELL		DAVID		92-NC-124	D	HEDBERG
GRUMMAN AEROSPACE CORP	HUANG		CHEN	Y	92-NC-107		JACOBS
	MARCONI		FRANK		92-NC-125		SAKELL
	ASTON-JONES		GARY		92-NC-073		HADDAD
	SMITH		SHERYL	S	92-NC-024		HADDAD
	GRUSZ		BARBARA	J	92-NC-085		WAKSMAN
HARRISMAN UNIVERSITY	LIEBER		CHARLES	M	92-NC-011		BURGGRAF
	MITCHELL		RALPH		92-NC-080		HEDBERG
	WALIK		MUJEEB	R	92-NC-017		SAKELL
	BARRETT		MICHAEL	F	92-NC-159		JACOBS
	BLOOMFIELD		JOHN	R	92-NC-011		FRESLY
HIGH TECHNOLOGY CORP HONEYWELL INC	CHODHURY		AJIT	K	92-NC-114		WU
			JOSHUA	P	92-NC-071		POHRENKE

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INSTITUTION

IBM ALMADEN RESEARCH CENTER
JIM THOMAS J. WATSON RESEARCH CENTER
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ILLINOIS INSTITUTE OF TECHNOLOGY

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INTERFAC FOUNDATION OF NORTH AMERICA
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IOWA STATE UNIV OF SCIENCE AND TECH

IOWA STATE UNIVERSITY PRESS
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LEHIGH UNIVERSITY

LONG ISLAND UNIVERSITY
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LOYOLA UNIVERSITY
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MASSACHUSETTS INSTITUTE OF TECHNOLOGY

INSTITUTION	INVESTIGATOR	LAST NAME	FIRST NAME	MIDDLE	PROPOSAL	STATUS	PM NAME
IBM ALMADEN RESEARCH CENTER	JEFFERSON	MICHAEL			92-NE-004		CRAIG
	WICJALL	JERRY			92-NE-142	A	POMRENKE
	ADRE	KEVIN	L		92-NE-151		SUDDARTH
					92-NE-156		SUDDARTH
ILLINOIS INSTITUTE OF TECHNOLOGY	COLLAR	MAREK			92-NE-031		ROSENSTEIN
	GURALNICK	S A			92-NE-112		WU
	MAIDAL	BRADJA	K		92-NE-107		LEE
	MASIB	HASSAN	M		92-NE-080		TISHKOFF
INDIANA UNIVERSITY	MARK	CANDACE	E		92-NE-023		TISHKOFF
	CREAGER	STEPHEN	E		92-NE-007		ERSTELO
	FRANKEL	MICHAEL	L		92-NE-154		NACHMAN
	FAM	RICHARD	Y		92-NE-150		NACHMAN
INDIANA UNIVERSITY-PURDUE UNIV AT INDIANAPOLIS	LANG	QI			92-NE-109		NACHMAN
	MENTON	H. JOSEPH			92-NE-012		NACHMAN
	WHYTE, JR.	THADDEUS	E		92-NE-085	D	SJOGREN
	SAUMGARTEN	JOSEPH	R		92-NE-064		HEDBERG
INTERFAC FOUNDATION OF NORTH AMERICA	COPPOV	MARK	S		92-NE-082		WU
	INGER	GERGE	R		92-NE-095		BURGGRAF
	KAVANAGH	PATRICK	R		92-NE-125		SAKELL
	VARY	JAMES	P		92-NE-123		FANT
IOWA STATE UNIVERSITY PRESS	CHIMEYTI	DALE	E		92-NE-047		KELLEY
	DAGDIGIAN	PAUL	E		92-NE-096		WU
	KAPLAN	ALEXANDER	E		92-NE-053	A	BURGGRAF
	KHURGIN	JACOB	B		92-NE-070		SCHLOSSER
JOHNS HOPKINS UNIVERSITY	MASSON	GERALD	M		92-NE-008		CRAIG
	RUGH	WILSON	J		92-NE-054		LUPO
	RUSS	DAVID	V		92-NE-069		JACOBS
	JOPTNER	JULIUS	V		92-NE-131		RADOOSKI
JORTNER RESEARCH & ENGINEERING, INC.	PANW	ALEXANDER	S		92-NE-093		JONES
	MORDI	DAVID	S		92-NE-024		NACHMAN
	MARWEP	MARTIN	P		92-NE-053		CRAIG
	HWANG	JAMES	C		92-NE-107		BURGGRAF
KANSAS STATE UNIVERSITY	ROCKWELL	DONALD	Q		92-NE-093		POMRENKE
	SMITH	CHARLES	R		92-NE-092		FANT
	WALKER	J DAVID	R		92-NE-091		FANT
		J DAVIS	D		92-NE-105		MCMICHAEL
LEHIGH UNIVERSITY	MATIN	JAMES	D		92-NE-087		NACHMAN
	PAI	ETHEL			92-NE-029		TANGNEY
	YOST	SURESH	A		92-NE-132		SJOGREN
	RIHNE	WILLIAM	A		92-NE-025		TANGNEY
LOUISIANA STATE UNIVERSITY	ATKESON	GLENV	A		92-NE-137		WITT
	DAHLEH	DIMITRI	A		92-NE-015		SUDDARTH
	FOSTER	CRISTOPHER	S		92-NE-033		JACOBS
	WASTINGS	WINTHER	A		92-NE-045		STOBIE
LOYOLA UNIVERSITY	KLEPPNER	JOHN	C		92-NE-059		STOBIE
		DANIEL	E		92-NE-039		BIRKAN
		DAVID			92-NE-025	A	KELLEY
		DAVID			92-NE-054		KELLEY

INSTITUTION	INVESTIGATOR	LAST NAME	FIRST NAME	MIDDLE	PROPOSAL	STATUS	PH NAME
OHIO STATE UNIV RESEARCH FOUNDATION	WEITZ	ERIC			92-NC-027		ERSTFELD
	BLICK	ANTHONY			92-NM-139		JACOBS
	FOREST	A. GREGORY			92-NM-061		NACHMAN
	HERBERT	THORWALD			92-NA-099		SAKELL
OHIO STATE UNIVERSITY	OGUNER	OMIT			92-NA-104		WCMICHAEL
	SAMMY	MC			92-NA-134		WU
	HAYTON	WILLIAM			92-NA-011		SAKELL
	LEE	ROBERT		L	92-NL-122		TISHKOFF
OKLAHOMA STATE UNIVERSITY	LEVINE	ZACHARY		H	92-NE-152		CERVENY
	MCCREERY	ZACHARY		L	92-NE-154		CRAIG
	MILLER	TERRY		A	92-NC-025		POMRENKE
	MOSES	PANDOLPH		L	92-NE-161		WILKES
OKLAHOMA STATE UNIVERSITY	OGUNER	UMIT			92-NM-187		KELLEY
	SUBRAMANIAM	VISH		V	92-NA-069		SJGREN
	EGOD	WARREN		T	92-NA-039		WU
	KNOBSE	EDWARD		T	92-NC-103		BRKAN
OLD DOMINION UNIV RSH FOUNDATION INC.	LOCHMILLER	ROBERT		T	92-NE-100		LEE
	POWELL	RICHARD		L	92-NE-145		POMRENKE
	RAEF	LIONEL		C	92-NE-114		POMRENKE
	THOMPSON	DONALD		M	92-NL-033		CERVENY
OLD DOMINION UNIVERSITY	ZAHORIAN	STEPHEN		A	92-NE-139		CRAIG
	CLARIU	STEPHAN		L	92-NC-004		BURGGRAF
	SWETITS	JAWN		J	92-NC-028		BURGGRAF
	QUINN	JARUS		M	92-NL-114		TANGNEY
OPTICAL SOCIETY OF AMERICA	HOLMES	JAMES		F	92-NM-161		JACOBS
	DEFREEZ	RICHARD		K	92-NA-146		GLASSMAN
	SIGMON	THOMAS		M	92-NE-155		SCHLOSSBER
	D'AMEROSIO	BRUCE		D	92-NL-046		STOBIE
OREGON STATE UNIVERSITY	MAHRT	LARRY		K	92-NE-165		SCHLOSSBER
	AMOS	ANTHONY		K	92-NE-118		WITT
	BIANCONI	PATRICIA			92-NM-171		WAKSMAN
	CROSS	L ERIC			92-NL-119		STOBIE
OREGON STATE UNIVERSITY	CULTER	PAUL		H	92-NC-033		WU
	CUSUMANO	JOSEPH		P	92-NC-114		HEDBERG
	ERNST	WOLFGANG		F	92-NA-048		WU
	GRAETZER	REINHARD			92-NE-156		BARKER
PENNSYLVANIA STATE UNIVERSITY	ROY	RUSTUM			92-NA-070		WU
	SANTAVICCA	DOMENIC		A	92-NC-050		BERMAN
	SANTORO	ROBERT			92-NL-124		HADDAD
	SMITH	GERALD		J	92-NC-135		ERSTFELD
POLYTECHNIC UNIV. - WEBER RESEARCH INST.	THROWER	PETER		A	92-NC-086		ERSTFELD
	KUD	SPENCER		S	92-NA-082		TISHKOFF
					92-NA-088		TISHKOFF
					92-NE-007		BRKAN
POLYTECHNIC UNIV. - WEBER RESEARCH INST.					92-NC-129		KELLEY
					92-NE-012		BURGGRAF
							SARKER

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POMONA COLLEGE PRINCETON UNIVERSITY	RANKS	WILLIAM	P	92-NL-094		FREGLY
	CATTS, JR	GERSON	D	92-NE-113	A	KELLEY
	ELAM	DAVID	S	92-NM-099		JACOBS
	KUNG	S	Y	92-NM-051		SUDARTH
	LAW	CHUNG	K	92-NA-085		BIRKAN
	MCLAUGHLIN	DAVID	A	92-NM-058		NACHMAN
	MELES	RICHARD	S	92-NA-002	A	SAKELL
	CRIZAG	STEVEN		92-NA-041		SAKELL
	RABITZ	HERSCHEL		92-NA-075		TISHKOFF
	SACKS	ELISHA		92-NC-097	A	BURGGRAB
PURDUE RESEARCH FOUNDATION PURDUE UNIVERSITY	STAPIN	JOHN		92-NM-005		WAKSMAN
	COLTONSKI	MICHAEL	D	92-NM-125		JACOBS
	SAJAJ	CHANDERJEE	L	92-NM-131		SJOGREN
	BOWMAN	KEITH	J	92-NM-052		GLASSMAN
	FLEETER	SANFORD		92-NA-034		JONES
	OTSUKA	NOBUO		92-NA-030		FANT
	FLAHERTY	JOSEPH	E	92-NE-080		POMRENKE
	FONTIUN	ARTHUR		92-NM-100		NACHMAN
	COOK	RICHARD		92-NA-036		BIRKAN
	LEUNG	CHUN	L	92-N-113	A	BIRKAN
RENSSELAER POLYTECHNIC INSTITUTE	MACCORONE	ROBERT	M	92-NF-132		SCHLOSSER
	SHEPARD	MARK	K	92-NL-062		RADOSKI
	WALLACE	WILLIAM	S	92-NL-015		POMRENKE
	COX	STEVEN		92-NM-015		WU
	ROEDIGER, III	HENRY	A	92-NM-165		WU
	YOUNG	JAMES	J	92-NM-131		WAKSMAN
	PANDASSIAN	D.	L	92-NL-027		NACHMAN
	SENARD	CHARLES	F	92-NL-027		FREGLY
	CHUBB	JOEL	V	92-NL-127		SCHLOSSER
	LEBOWITZ	JOEL	J	92-NA-127		WU
RICE UNIVERSITY	TAYLOR	JEAN	L	92-NC-133		BERMAN
	UTHE	EDWARD	E	92-NL-074		TANGNEY
	KUN	ERNEST		92-NE-005		BARKER
	JONES	COLIN		92-NM-092		NACHMAN
	MATSON	CHARLES	E	92-NL-007		STOBIE
	HASSAL	SHADIA	L	92-NL-019		CERVENY
	BLACK	I. EDWARD	R	92-NE-009	A	POMRENKE
	WRIGHT	JOHN		92-NM-152		NACHMAN
	SHIUE	WEI-KEI		92-NL-054		RADOSKI
	GUPTA	SOMESHWAR	R	92-NM-030		NACHMAN
ROCKWELL INTERNATIONAL ROCKWELL INTERNATIONAL, SCIENCE CENTER RUTGERS - THE STATE UNIVERSITY	HASERMAN	RICHARD	C	92-NM-031		JACOBS
	BARADUEFF	JOHN		92-NM-018		CERVENY
	SEASLEY	SOMESHWAR		92-NM-110		SJOGREN
		RICHARD		92-NM-007		SJOGREN
				92-NM-032		NACHMAN
				92-NM-190		NACHMAN
				92-NA-021		SAKELL
				92-NE-088		WEINSTOCK
RUTGERS, THE STATE UNIVERSITY SRI INTERNATIONAL SAN FRANCISCO STATE UNIVERSITY SANTA BARBARA CALIFORNIA SEATTLE PACIFIC UNIVERSITY SMITHSONIAN INSTITUTION SOCIETY FOR INDUSTRIAL & APPLIED MATH	WRIGHT	JOHN	R	92-NM-031		JACOBS
	SHIUE	WEI-KEI		92-NL-018		CERVENY
	GUPTA	SOMESHWAR	C	92-NM-110		SJOGREN
	HASERMAN	RICHARD		92-NM-007		SJOGREN
				92-NM-032		NACHMAN
				92-NM-190		NACHMAN
				92-NA-021		SAKELL
				92-NE-088		WEINSTOCK
SOUTHEASTERN OKLAHOMA ST U-PHYS SCI OPT SOUTHERN ILLINOIS UNIVERSITY SOUTHERN METHODIST UNIVERSITY	BARADUEFF	JOHN		92-NM-031		JACOBS
	SEASLEY	SOMESHWAR		92-NM-110		CERVENY
		RICHARD		92-NM-007		SJOGREN
				92-NM-032		NACHMAN
				92-NM-190		NACHMAN
				92-NA-021		SAKELL
				92-NE-088		WEINSTOCK
STANFORD UNIVERSITY	BARADUEFF	JOHN		92-NM-031		JACOBS
	SEASLEY	SOMESHWAR		92-NM-110		CERVENY
		RICHARD		92-NM-007		SJOGREN
				92-NM-032		NACHMAN
				92-NM-190		NACHMAN
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UNITED TECHNOLOGIES RESEARCH CENTER

UNIV OF ALABAMA

UNIV OF ARIZONA

UNIV OF ARKANSAS

UNIV OF ARKANSAS/PINE BLUFF

UNIV OF CALIFORNIA

INVESTIGATOR

LAST NAME

FIRST NAME

MIDDLE

PROPOSAL

STATUS

PM NAME

GIAMET
MALANY
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A.
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HERMAN
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ROSENSTEIN
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CERVENY
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WEINSTOCK
STOBIE
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BERMAN
BERMAN
BURGGRAF
BURGGRAF
CRAIG
WEINSTOCK
ROSENSTEIN
CRAIG
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SCHLOSSER
JACOBS
BARKER
LEE
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WITT
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MCMICHAEL
MCMICHAEL
FANT
TANGNEY
WITT
TISHKOFF
TANGNEY
LEWIS
CRAIG
WU
WU

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INSTITUTION	INVESTIGATOR	FIRST NAME	MIDDLE	PROPOSAL	STATUS	PM NAME
LUMANN, JR	NEVILLE	C	92-NE-092		BARKER	
	GARY		92-NE-093		BARKER	
	JOHN		92-NE-159		BARKER	
	HORIA		92-NE-121		HADDAD	
	UMESH		92-NE-059		ERSTFELD	
	PETER		92-NE-091	A	BURGGRAB	
	AMIA		92-NE-047		WITT	
	SISANATH		92-NA-010		MCMICHAEL	
	STAVDUCH		92-NA-033		ROSENSTEIN	
	DANIEL		92-NA-095		LUPO	
	JCH		92-NA-079		LEWIS	
	ELIJAH		92-NE-016		BERMAN	
	PETER		92-NE-135		KELLEY	
	MARK		92-NA-036		GLASSMAN	
	CHERDON		92-NE-006		CRAIG	
	SAIC		92-NE-028		SCHLOSSER	
	SHELDON		92-NA-004		SJOGREN	
	OGY		92-NE-002	A	LUPO	
	JASON		92-NE-077		WEINSTOCK	
	WILLIAM		92-NA-153		JACOBS	
	CHARLES		92-NA-049		JACOBS	
	SHYM		92-NE-111		CRAIG	
	SICKE		92-NE-168		WITT	
	POCHI		92-NE-014		CRAIG	
	PAUL		92-NE-110		CRAIG	
	YASSAN		92-NE-105		WITT	
	FRANCES		92-NE-010		CRAIG	
	J		92-NA-103		CRAIG	
	H		92-NE-043		MCMICHAEL	
	GEORGE		92-NE-118		WEINSTOCK	
	EVE		92-NE-150		STOBIE	
	KRISTIAN		92-NE-127		SCHLOSSER	
	TAKESHI		92-NE-050		KELLEY	
	STEVEN		92-NE-071		CRAIG	
	LUPING		92-NE-072		HADDAD	
	KIRTI		92-NA-044		HADDAD	
	AMATEF		92-NA-097		WAKSMAN	
	ARTHUR		92-NA-072		BERMAN	
	MARK		92-NE-112		ERSTFELD	
	SEDA		92-NE-010		LEE	
	MELVIN		92-NE-089		FANT	
	KENNETH		92-NA-044		SAKELL	
	PANKOVE		92-NA-097		ERSTFELD	
	LIVE		92-NE-122		NACHMAN	
			92-NA-013		STOBIE	
			92-NE-002		BERMAN	
			92-NA-060		WEINSTOCK	
			92-NE-174		POWSENKE	
			92-NE-043	A	STOBIE	
			92-NE-015			

UNIV OF CALIFORNIA, SAN DIEGO

UNIV OF CENTRAL FLORIDA

UNIV OF CHICAGO

UNIV OF CINCINNATI

UNIV OF COLORADO

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INSTITUTION	LAST NAME	FIRST NAME	MIDDLE	PROPOSAL	STATUS	PM NAME
UNIV OF COLORADO AT DENVER	GLOVER	RED		92-NM-050		GLASSMAN
	LINBERGER	W. CARL		92-NC-047		BERMAN
	MCCRYAN	OLIVER	A	92-NA-098		SAKELL
	NICHL	JOSEF		92-NC-048		HEDBERG
	NEE	JOHN		92-NE-120	A	CRAIG
	POPOVIC	ZGYA		92-NE-112		WITT
	SAUER	JON	R	92-NE-172		CRAIG
	WAGNER	KELVIN	M	92-NE-164		CRAIG
	LINBERGER	W. CARL		92-NC-035	A	BURGGRAF
	MCCORMICK	STEPHEN		92-NM-036		NACHMAN
UNIV OF CONNECTICUT	BAR-SHALCH	YAAKOV		92-NM-009	A	GLASSMAN
	GONSALVES	KENNETH	E	92-NC-118		HEDBERG
	PASSALA	KRISHNA	M	92-NM-192		SJOGREN
	ANGELL	THOMAS	S	92-NM-080		JACOBS
UNIV OF DAYTON	KLODZIEY	JAMES		92-NE-103		POMRENKE
	AMME	ROBERT	C	92-NC-057		BURGGRAF
	COOMBE	ROBERT	D	92-NC-006		BERMAN
	SCHROEDER	JAMES	E	92-NM-173		SJOGREN
UNIV OF DENVER	TOVEY	N KEITH		92-NA-026		LEWIS
	TATE	AUSTIN		92-NM-070		LUPU
	BARTLETT	RODNEY	J	92-NC-093	A	BURGGRAF
	HENCH	LARRY	L	92-NC-017		ERSTFELD
UNIV OF EAST ANGLIA	THOMSON	EWEN	M	92-NL-032		STOBIE
	BEDELL	HAPOLD	E	92-NL-093		TANGNEY
	HUSSAIN	FAZLE		92-NA-019		SAKELL
				92-NM-077		NACHMAN
UNIV OF ILLINOIS	AGGARWAL	S		92-NA-123	A	TISHKOFF
	SUCKMASTER	JOHN	D	92-NM-102		NACHMAN
	CAROLL	ROBERT		92-NM-178		NACHMAN
	CHUDOVSKY	ALEXANDER		92-NA-072		WU
UNIV OF KENTUCKY	DONCHIN	EMANUEL		92-NL-016	A	LEWIS
	EDEN	GARY		92-NE-062		FREGLY
		J	D	92-NE-173		SCHLOSSBER
	SEIL	PHILLIP	H	92-NC-123		CRAIG
	GELLMAN	ANDREW	J	92-NC-014		LEE
	KRIER	HERMAN		92-NA-066		ERSTFELD
	KRIVEN	WALTRAUD	M	92-NC-072		BIRKAN
	LIU	JANE W. S.		92-NM-101		BURGGRAF
	MAZUMDER	JYOTI		92-NC-065		WAKSMAN
	MORKOC	HADIS		92-NE-036		ROSENSTEIN
UNIV OF MICHIGAN	NAMACHIVAYA	S		92-NE-041	A	WITT
	VENTON	PAUL	K	92-NE-126		WITT
	PLEWA	MICHAEL		92-NA-065		WU
	RHODES	CHARLES	J	92-NM-116		NACHMAN
	TRENNY	MICHAEL	K	92-NL-032		CERVENY
				92-NE-099		SCHLOSSBER
				92-NC-079		ERSTFELD

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INVESTIGATOR

FIRST NAME MIDDLE

STATUS

PM NAME

PROPOSAL

UNIV OF CALIF

KLEPPER

PAUL

92-NC-089

A

EPSTFELD

UNIV OF KANSAS

KLEPPER

GEORGE

92-NC-102

ERSTFELD

UNIV OF KENTUCKY

KLEPPER

DAVID

92-NC-016

BERMAN

UNIV OF KENTUCKY RESEARCH FOUNDATION

KLEPPER

DAVID

92-NC-111

BERMAN

UNIV OF KENTUCKY

KLEPPER

DAVID

92-NC-076

WU

UNIV OF KENTUCKY

KLEPPER

DAVID

92-NC-063

WU

UNIV OF KENTUCKY

KLEPPER

DAVID

92-NC-132

WU

UNIV OF KENTUCKY

KLEPPER

DAVID

92-NC-157

WU

UNIV OF KENTUCKY

KLEPPER

DAVID

92-NC-121

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UNIV OF KENTUCKY

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DAVID

92-NC-123

WU

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KLEPPER

DAVID

92-NC-060

WU

UNIV OF KENTUCKY

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DAVID

92-NC-076

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DAVID

92-NC-059

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UNIV OF KENTUCKY

KLEPPER

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92-NC-015

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92-NC-013

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92-NC-054

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92-NC-095

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92-NC-148

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UNIV OF MICHIGAN	SKRUTSKIE	MICHAEL	F	92-NL-112		RAJDSKI
	SKHAVAY	PAYMAH		92-VA-100		MCMICHAEL
	THATTACHARYA	PALLAS	K	92-NE-057		WITT
	TELELLS	JOHN	C	92-NC-042		ROSENSTEIN
	TUTTA	DEBASISH		92-VM-062		GLASSMAN
	WJDSH	WIT	K	92-NC-130		ROSENSTEIN
	SILJENSEN	RONALD		92-NE-032		BARKER
	SOAD	LINDA	M	92-NE-065		BARKER
	WRYCIN	ROMAN	S	92-NL-097	0	CERVENY
	KATEHI	LINDA	C	92-VA-133		LEWIS
UNIV OF MINNESOTA	KILLEEN	FIN	L	92-NE-171		WITT
	LATNE	PICHARD	M	92-NL-117		STOBIE
	MOUPOU	GERARD	A	92-NC-024		ERSTFELD
	PIERRE	CHRISTOPHE		92-VE-099		WITT
	PAND	STEPHEN	C	92-NA-062		WU
	SHIV	KANG	G	92-NE-009		SCHLOSSER
	SINGH	JASPOIT		92-NE-072		LUPO
	TENKETTIS	DEMOSTHENIS		92-NE-072		CRAIG
	BATES	FRANK	S	92-NC-115		JACCS
	COHEN	PHILIP	T	92-NE-093		LEE
UNIV OF MISSOURI	DAMBERS	EARL	C	92-NE-089		PORENKE
	HECARTNEY	MAPTHA	L	92-NC-067		WEINSTOCK
	SIMON	TERRENCE	M	92-NA-046		ERSTFELD
	TEWICK	AHMED	M	92-VM-037	A	FANT
	CHICONE	CARMEN		92-VM-027	A	SJOGREN
	HANDEL	PETER	M	92-NE-091		LUPO
	KAHAMAN	MCHAMER		92-NE-153		WITT
	KRISHNABURAN	PAGHU	N	92-NC-035		WITT
	OFCEP	PETER		92-VM-134		BURGGRAF
	PURI	RAVI	K	92-NL-022		WAKSMAN
UNIV OF NEBRASKA	WILLETT	JOSEPH	E	92-NL-049		WAKSMAN
	PHATTACHARYA	PRASIR		92-NA-115	0	CERVENY
	PARAYANAN	PAM	N	92-NA-145		CERVENY
	REBARBER	PICHARD		92-VM-122		NACHMAN
	ELNSKY	MARK	A	92-VM-149		SJOGREN
	MCNEIL	JOHN	R	92-VM-127		NACHMAN
	BRUECK	STEVEN	P	92-NA-005		JACOBS
	CHENG	JULIAN		92-NE-085	A	JACOBS
	SCHREYER	MOWARD	L	92-NE-094		WU
	WEISER	MARTIN	M	92-NA-120		BURGGRAF
UNIV OF NEW ORLEANS UNIV OF NORTH CAROLINA	WING	WING	L	92-NC-040		WU
	JURISIC	BRAYNE		92-NA-067		WU
	MICHALENIC	BRIGNIEW		92-VC-093		LEE
				92-NM-129		GLASSMAN

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UNIV OF NOTRE DAME	PROVAN	J. SCOTT			92-NM-121	0	GLASSMAN
	BATILL	STEVEN			92-NM-096		JACOBS
	WELSON	ROBERT			92-NM-089		FANT
	CEPOD	WOLFGANG			92-NM-042		POMRENKE
	WHITE	LUTHER			92-NM-136		JACOBS
UNIV OF OKLAHOMA	BAUCSY	RUZENA			92-NM-088		WAKSMAN
UNIV OF PENNSYLVANIA	EUCHSEUM	GERSON			92-NL-052		TANGNEY
	DAILEY	WILLIAM			92-NC-009		BERMAN
	GAPIC	ANTHONY			92-NC-116		LEE
	KASSAM	SALEEM			92-NM-047		NACHMAN
	PRYAS	NOAH			92-NM-089		WAKSMAN
	VENKATESH	SANTOSH			92-NM-041		SUDDARTH
UNIV OF PITTSBURGH	ASHER	SAMFORD			92-NM-033		ERSTFELD
	CHIARULLI	DONALD			92-NC-079		CRAIG
	CHRYKE	WOLFGANG			92-NE-122		POMRENKE
	LEVITAN	STEVE			92-NE-052		CRAIG
	MACIEJEWSKI	PAUL			92-NE-086		FANT
	PETIT	FRED			92-NA-016		ROSENSTEIN
	WEINER	BRAD			92-NC-074		BERMAN
	GHENIEM	Y			92-NA-087		JONES
	YUMARESAN	R.			92-NM-015		SJUGREN
	LATIMER	JAMES			92-NL-085		CERVENY
	ALLEN	JAMES			92-NM-180		WAKSMAN
	SZOLEWSKI	ROMAN			92-NE-102		WEINSTOCK
UNIV OF SCRANTON	DELVECCHIO	VITO			92-NL-003	A	BOLAND
UNIV OF SOUTHERN CALIFORNIA	CALTON	LARRY			92-NC-029		LEE
	ERWIN	DANIEL			92-NA-132		SAKELL
	FJPREST	STEPHEN			92-NE-144		POMRENKE
	KDEL	BRUCE			92-NE-055		CRAIG
	MAHUKAR	ANUPAM			92-NC-070		ERSTFELD
	MCCUPPY	ALAN			92-NE-097		POMRENKE
	REDEKOPP	LARRY			92-NE-017		BARKER
	WITTIG	CURT			92-NA-101		MCMICHAEL
	GIBSON	G			92-NC-049		BERMAN
	ALEXEFF	IGOR			92-NL-039	A	CERVENY
	MANANTOV	GLEB			92-NE-146		BARKER
	SAYLEP	GARY			92-NC-021		WILKES
	BENNIGHOF	JEFFREY			92-NC-121		WILKES
	KALLINDERIS	JOHN			92-NL-087		CERVENY
	KWONG	DIM-LEE			92-NA-056		HU
	POWERS	EDWARD			92-NA-051		SAKELL
	SANCHEZ	ISAAC			92-NE-068		POMRENKE
	SHWALTER	R			92-NE-125	A	WITT
	BYRNE	JOHN			92-NC-056		LEE
	FELDMETER	JOHN			92-NM-176		NACHMAN
					92-NL-055		HADAC
					92-NL-104	A	CERVENY

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UNIV OF TEXAS, EL PASO	SLICKMAN	DAVIDOLPH	J	92-NL-067		CERVENY
	KELLEY	GEORGE	R	92-NL-091		STOBIE
	McCORNELL	WIGUEL		92-NA-029		LEWIS
	GOLDEN	KENNETH		92-NM-140		NACHMAN
UNIV OF UTAH	WIGHT	CREST		92-NE-058		WEINSTOCK
	WOLFE	CHARLES	A	92-NC-110		BERMAN
	GOLDEN	KENNETH	J	92-NL-099		FREGLY
	GALLAGHER	KURT		92-NM-117		NACHMAN
UNIV OF VERMONT	WORSIN	THOMAS		92-NM-034		NACHMAN
	LASIECKA	CORNELIUS		92-NE-095		KELLEY
	WENAKER	IRENA	J	92-NM-065		NACHMAN
	MOER	MICHAEL		92-NL-065		HADDAD
UNIV OF WASHINGTON	BAKER	AHMED	K	92-NA-023	A	WU
	ENGEL	MARCIA		92-NL-003		STOBIE
	JARBOE	THOMAS	M	92-NC-030		BURGGRAF
	KUPCSAKA	THOMAS	R	92-NE-022		BARKER
UNIV OF WISCONSIN	TAYA	WITSURU		92-NA-034		FANT
	CRIM	MINORU		92-NA-057		JONES
	GLEWBERG	C. FLEMING		92-NC-037		BERMAN
	KAMMER	ARTHUR	M	92-NL-043		FREGLY
UNIV OF WYOMING	KOU	DANIEL	C	92-NM-014		NACHMAN
	WANGSARAJAN	SINDO		92-NC-134		LEE
	ADCHMAN	CLIVE	L	92-NM-011		GLASSMAN
	SCHAPER	JAMES	E	92-NE-060		WEINSTOCK
UNIVERSITY OF IOWA	VAN EAALEN	JOHN		92-NE-034		BARKER
	CRAMFORD	JEFFREY		92-NM-042		WAKSYAN
	SHREEVE	RONALD	L	92-NL-113		CORNETTE
		JEANNE	M	92-NC-039		HEDBERG
UTAH STATE UNIVERSITY	POWELL	JAMES	A	92-NC-104		NACHMAN
	WICKMAR	VINCENT		92-NM-133		STOBIE
	TAKAC	PETER		92-NL-021		NACHMAN
	ANDERSON	MARK	R	92-NM-124	D	WILKES
VANDERBILT UNIVERSITY	BURNS	JOHN	A	92-NC-120		JACOBS
	GUNZBURGER	MAX		92-NM-073		JACOBS
	HANNUSSEN	KENNETH		92-NM-023		JACOBS
	KOHLER	WERNER	E	92-NM-067		NACHMAN
VIRGINIA POLYTECHNIC INST & STATE UNIV	WAVEEM	ALZ		92-NM-130		WU
	REIFSNIDER	K.	L	92-NA-031		BURGGRAF
	FOGERS	CRAIG	A	92-NC-005		WU
	TELIONIS	DEMETRI	B	92-NA-094		FANT
WARNER ROBINS AIR LOGISTICS CENTER	ALTERS	ROBERT		92-NA-045		SAKELL
	REGISTER	DANIEL	C	92-NA-025		WU
	MSU	CHIN	S	92-NA-055	A	BOLAND
	RAMAPRIAN	B. P.		92-NA-001	A	FANT
WASHINGTON STATE UNIVERSITY		SELAFAYADI	R	92-NA-012	A	FANT
	WHITNEY	PAUL		92-NA-050		FREGLY

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INSTITUTION	LAST NAME	FIRST NAME	MIDDLE	PROPOSAL	STATUS	PI NAME
WASHINGTON UNIVERSITY	BYRNES	CHRISTOPHER		92-WM-143		JACCES
	KATZ	I. YORWAN		92-WM-073		NACHMAN
	PROYOF	ALAN		92-WM-137		JACCES
WELLESLEY COLLEGE	PODIN	ERVIN	Y	92-WM-052	D	CERVENY
	STARK	GLENN		92-WM-076		NACHMAN
	CORRING	DALE	L	92-WM-142		GLASSMAN
WESLEYAN UNIVERSITY	LYNCH	DALE	F	92-NE-160		KELLEY
	PETERSON	GEORGE	A	92-NE-159		POMRENKE
	GINGOLD	HARRY		92-NL-040		HADDAD
WEST VIRGINIA UNIV. RESEARCH CORPORATION				92-NC-119		BURGGRAB
				92-WM-029		NACHMAN
				92-WM-113		NACHMAN
WEST VIRGINIA UNIVERSITY	HILTON	ANTHONY J.		92-WM-111		GLASSMAN
	LJO	SADRYNG		92-WM-010		GLASSMAN
	HALLIBURTON	LARRY		92-WM-129		POMRENKE
WESTERN MICHIGAN UNIVERSITY	HORNAK	LAWRENCE		92-NE-121		CRAIG
	MASTEN	PO-FANG		92-WM-026		JACCES
	LANDIS	WAYNE		92-WM-051		CERVENY
WESTERN WASHINGTON UNIVERSITY	ELCRAT	ALAN		92-WM-001		NACHMAN
	WARTINGALE	VALERIE		92-WL-099		CERVENY
	WAMU	MARK		92-WL-083	A	CERVENY
WILFRID HALL MEDICAL CENTER	RYSDAL	RYSDAL	J	92-WL-157		SCHLOSSER
	WRIGHT	K.		92-WM-025		SJOGREN
	WRIGHT STATE UNIVERSITY	ARASU		92-WM-191		SJOGREN
WOODS HOLE OCEANOGRAPHIC INSTITUTE	GADEER	RED		92-WL-086		CERVENY
	REO	NICHOLAS		92-WM-019		SJOGREN
	VASS	DANIEL		92-NC-075		ROSENSTEIN
XOMET, INC.	WEISS	ESSAC		92-WC-129	A	PERRAM
	WING	RICHARD		92-WL-028		HADDAD
	CAREW	THOMAS	J	92-WM-053		LUPU
YALE UNIVERSITY	ELLENTER	DAVID		92-WM-079		SUDDARTH
	ELIOT	GENE		92-WM-074	A	SUDDARTH
	WODDY	JOHN		92-WM-022		SJOGREN
YALE UNIVERSITY SCHOOL OF MEDICINE	MEMORAI	ARYE		92-WM-032		MCMICHAEL
	SPENIVASAN	KATEPALLI		92-WL-041	A	HADDAD
	DAVIS	MICHAEL				

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TITLE TITLE (CONT.) INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOT AMT
INVESTIGATION OF CRACK PATH FORMATION MECHANISM IN NONHOMOGENEOUS MATERIALS AND FRACTURE ASSESSMENT FOR CURVED CRACK PATH TULANE UNIVERSITY	ASHER RUBINSTEIN	M 36 07/10/91 \$244,173	JONES 92-NA-005	
(AASERT) EFFECT OF PARTICLE SHAPE ON GRANULAR MATERIAL BEHAVIOR UNIV OF LOWELL	TING JOHN	M 12 23/10/91 \$46,330	LEWIS 92-NA-016	
VORTEX RECONNECTION AND OTHER RELATED ASPECTS OF SUPERSONIC FLOWS UNIV OF HOUSTON	HUSSAIN FAZLE	M 36 28/10/91 \$441,527	SAKELL 92-NA-019	
EFFECTIVE COMPUTATIONAL STRATEGY FOR PREDICTING THE RESPONSE OF COMPLEX SYSTEMS UNIV OF VIRGINIA	NOOR AHMED	M 12 23/10/91 \$5,000	A WU 92-NA-023	\$5,000 01/11/91 \$5,000
(AASERT) AERO-THERMODYNAMIC DISTORTION INDUCED STRUCTURE DYNAMIC RESPONSE OF MULTISTAGE TURBOMACHINERY BLADING PURDUE UNIVERSITY	ELESTER SANFORD	M 24 23/10/91 \$155,664	FANT 92-NA-030	
(AASERT) THE PASSIVE SCALAR FIELD, AND HIGH-GAUSSIANITY IN TURBULENT FIELDS YALE UNIVERSITY	SREENIVASAN KATEPALLI	M 24 28/10/91 \$255,336	MCMICHAEL 92-NA-032	
(AASERT) CHARACTERIZATION AND SIMULATION OF DAMAGE BEHAVIORS IN FIBER-REINFORCED CERAMIC MATRIX COMPOSITES Drexel University	WANG ALBERT	M 36 30/10/91 \$123,065	JONES 92-NA-040	
(AASERT) AUGMENTATION AWARD IN SUPPORT OF GAS TURBINE HEAT TRANSFER STUDIES UNIV OF MINNESOTA	SIMON TERRENCE	M 24 21/10/91 \$154,756	FANT 92-NA-046	
(AASERT) ADAPTIVE ALGORITHM FOR MANEUVERING AIRCRAFT IN TURBULENT FLOW UNIV OF TEXAS	KALLINDERIS JOHN	M 24 21/10/91 \$71,715	SAKELL 92-NA-051	

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TITLE (CONT.) INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOT AMT
TRANSFERABILITY OF ADVANCED ULTRASONIC TECHNIQUES TO ATTENUATIVE COMPOSITES FOR DAMAGE DETECTION DREXEL UNIVERSITY	POPOVICS SANDOP	N 24 12/11/91 \$293,745	WU 92-NA-054	
CAASERT) EXPERIMENTAL RESEARCH ON PULSE RESPONSE BASED CONTROL FOR MANEUVER OF FLEXIBLE SPACECRAFT UNDER THE CDD ASERT PROGRAM UNIV OF TEXAS	JEFREY BENNIGHOE	N 36 12/11/91 \$102,462	WU 92-NA-056	
CAASERT) GRADUATE STUDENT SUPPORT FOR STUDIES OF ROCKET COMBUSTION CHEMISTRY AND COMBUSTION INSTABILITY UNIV OF COLORADO	MELVIN BRANCH	N 36 12/11/91 \$162,669	SIRKAN 92-NA-050	
CAASERT) NORMAL MODES AND MODAL ANALYSIS FOR NONLINEAR STRUCTURAL SYSTEMS UNIV OF MICHIGAN	PIERRE CHRISTOPHE	N 36 12/11/91 \$100,305	WU 92-NA-062	
CAASERT) EXPERIMENTAL STUDIES OF MECHANICAL SYSTEMS UNDER COMBINED HARMONIC AND STOCHASTIC EXCITATIONS UNIV OF ILLINOIS	NAMACHCHIVAYA S	N 34 12/11/91 \$0	WU 92-NA-065	
CAASERT) EXPERIMENTAL CALIBRATION OF NON-EQUILIBRIUM ARC-JET FLOW MODELS UNIV OF ILLINOIS	KRIER HERMAN	N 36 12/11/91 \$163,507	SIRKAN 92-NA-066	
CAASERT) CRACK LAYER STABILITY ANALYSIS AND CRITERIA OF BRITTLE OR DUCTILE FAILURE UNIV OF ILLINOIS	ALEXANDER CHUDNOVSKY	N 24 13/11/91 \$149,934	WU 92-NA-072	
CAASERT) SUBMICROSCOPIC DEFORMATION OF CONCRETE IN COMPRESSION UNIV OF KANSAS	DARWIN DAVID	N 24 13/11/91 \$122,650	WU 92-NA-076	
CAASERT) EFFECT OF MOLECULAR WEIGHT AND AGING ON FRACTURE TOUGH- NESS OF POLYCARBONATE UNIV OF ILLINOIS	ALEXANDER CHUDNOVSKY	N 24 13/11/91 \$151,360	LEWIS 92-NA-031	

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TITLE (CONT.) INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOT AMT
(AASERT) MICROMECHANICAL MODELS OF STRENGTH STATISTICS OF RANDOM COMPOSITE MATERIALS PURDUE UNIVERSITY	SCHWAB	N 36 13/11/91 \$219,075	JONES 92-NA-034	
(AASERT) NOVEL CALCULATION METHODS FOR UNSTEADY SEPARATION LEHIGH UNIVERSITY	WALKER	N 24 14/11/91 \$110,755	FANT 92-NA-091	
(AASERT) SURFACE MODIFICATIONS RELEVANT TO FLOW STRUCTURE CONTROL LEHIGH UNIVERSITY	SMITH	N 24 15/11/91 \$135,195	FANT 92-NA-092	
(AASERT) ADVANCED IMAGING TECHNIQUES FOR FLOWS PAST SWEEP ANGLES LEHIGH UNIVERSITY	POCKWELL	N 24 15/11/91 \$127,603	FANT 92-NA-093	
(AASERT) HIGH PERFORMANCE COMPUTATION OF AEROELASTIC PROBLEMS UNIV OF COLORADO	MCSRYAN	N 24 13/11/91 \$301,070	SAKELL 92-NA-098	
(AASERT) SMALL SCALE DYNAMICS AND MIXING IN TURBULENT SHEAR FLOWS UNIV OF MICHIGAN	AKHAVAN	N 24 13/11/91 \$153,079	MCMICHAEL 92-NA-100	
(AASERT) THE EFFECTS OF HEATING, STREAMWISE CURVATURE AND NOZZLE GEOMETRY ON THE WALL JET UNIV OF ARIZONA	WYGANSKI	N 24 13/11/91 \$255,136	MCMICHAEL 92-NA-102	
(AASERT) JETS INDUCED BY SURFACE-MOUNTED PIEZOELECTRIC ACTUATORS UNIV OF ARIZONA	GLEXER	N 24 13/11/91 \$147,996	MCMICHAEL 92-NA-103	
(AASERT) INTERACTIVE APPROACHES FOR TURBULENT FLOW-WALL BOUNDARY LAYERS LEHIGH UNIVERSITY	WALKER	N 24 13/11/91 \$110,755	MCMICHAEL 92-NA-105	

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NOVEL DIAGNOSTIC TECHNIQUES AND ACTUATOR TECHNOLOGY TO TURBULENT SHEAR FLOWS UNIV OF ARIZONA	GLEZER	N 24 20/11/91 \$253,713	MCWICHAEL 92-NA-137	
A PROPOSAL FOR OPTIMAL AND SUBOPTIMAL PLACEMENT OF ACTUATORS AND SENSORS HOWARD UNIVERSITY	CHUCHURY	N 12 25/11/91 \$59,134	WU 92-NA-114	
TOWARDS UNDERSTANDING TURBULENT SUPERSONIC BOUNDARY LAYERS UNIV OF ARIZONA	FASEL	N 36 05/12/91 \$200,559	SAKELL 92-NA-113	
NUMERICAL ANALYSIS OF TIME DEPENDENT TWO-PHASE NON-REACTING FLOWS UNIV OF ILLINOIS	AGGARWAL	N 12 11/12/91 \$34,770	A TISHKGEF 92-NA-123	\$34,770 01/04/92 \$34,770
CAASEET) INTERFACE MECHANICS OF PARTICULATE MEDIA WITH RIBBED INCLUSIONS UNIV OF MICHIGAN	HRYSIM	N 12 23/12/91 \$13,411	LEWIS 92-NA-133	
HIGHLY ACCURATE PREDICTION OF UNSTEADY VISCOUS FLOWS GRUMMAN AEROSPACE CORP	MARCONI	N 12 17/12/91 \$100,037	SAKELL 92-NA-125	
STRUCTURAL RESPONSE OF OXIDATION RESISTANT CARBON-CARBON COMPOSITES UNDER CYCLIC AND MONOTONIC LOADING TEXAS ENGINEERING EXPERIMENT CENTER	OCHOA	N 36 18/12/91 \$324,451	JONES 92-NA-128	
CONTROL DESIGN FOR EVOLUTIONARY STRUCTURAL SYSTEMS TEXAS ENGINEERING EXPERIMENT CENTER	KURDILA	N 37 18/12/91 \$212,313	WU 92-NA-129	
RESEARCH IN MECHANICS AND CONTROL OF NON-LINEAR STRUCTURAL SYSTEMS TEXAS ENGINEERING EXPERIMENT CENTER	JUNKINS	N 36 27/12/91 \$307,833	WU 92-NA-136	

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INSTITUTION

INVESTIGATOR

WORKSHOP ON MULTIPLE SITE DAMAGE IN AGING AIRCRAFT

ARMER JOHNS AIR LOGISTICS CENTER

REGISTERED

CANIEL

(ASERT) UNOBTAINED CREEP BEHAVIOR OF CLAYEY SOILS

UNIV OF TEXAS, EL PASO

PICORNELL

MIGUEL

INTERNATIONAL WORKSHOP ON STRUCTURAL INTEGRITY OF AGING AIRPLANES

GEORGIA INSTITUTE OF TECH

ATLUPH

SATYA

(ASERT) LIFE PREDICTION CONCEPTS FOR CIVIL: STUDENT AUMENTATION

GEORGIA INSTITUTE OF TECH

MCDONWELL

DAVID

MECHANICS OF SHRINKAGE DURING PROCESSING OF CARBON-CARBON COMPOSITES

JORTNER RESEARCH & ENGINEERING, INC.

JORTNER

JULIUS

(ASERT) FLOW-VECTERING CONTROL IN JETS AND WAKES

UNIV OF SOUTHERN CALIFORNIA

REDEKCOO

LARRY

(ASERT) CODE VALIDATION FOR NONEQUILIBRIUM FLOWS

UNIV OF SOUTHERN CALIFORNIA

ERWEN

DAVID

(EPSCOR) COMPRESSIBLE FLOW TURBULENCE SIMULATION AND MODELING VIA ADDITIVE TURBULENT DECOMPOSITION

UNIV OF KENTUCKY RESEARCH FOUNDATION

MCDONOUGH

JAMES

STUDIES OF VORTEX DYNAMICS AND SEPARATION OVER PITCHING WINGS

WASHINGTON STATE UNIVERSITY

PAMAPPIAN

S P

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WORKSHOP ON MULTIPLE SITE DAMAGE IN AGING AIRCRAFT	ARMER JOHNS AIR LOGISTICS CENTER	REGISTERED	N 04 07/11/91 \$15,000	A HU 92-NA-055	\$15,000 15/11/91 \$15,000
(ASERT) UNOBTAINED CREEP BEHAVIOR OF CLAYEY SOILS	UNIV OF TEXAS, EL PASO	PICORNELL	N 24 23/10/91 \$49,092	LEWIS 92-NA-029	
INTERNATIONAL WORKSHOP ON STRUCTURAL INTEGRITY OF AGING AIRPLANES	GEORGIA INSTITUTE OF TECH	ATLUPH	N 03 04/11/91 \$5,000	HU 92-NA-053	
(ASERT) LIFE PREDICTION CONCEPTS FOR CIVIL: STUDENT AUMENTATION	GEORGIA INSTITUTE OF TECH	MCDONWELL	N 36 13/11/91 \$145,350	JONES 92-NA-074	
MECHANICS OF SHRINKAGE DURING PROCESSING OF CARBON-CARBON COMPOSITES	JORTNER RESEARCH & ENGINEERING, INC.	JORTNER	N 36 13/12/91 \$300,294	JONES 92-NA-131	
(ASERT) FLOW-VECTERING CONTROL IN JETS AND WAKES	UNIV OF SOUTHERN CALIFORNIA	REDEKCOO	N 24 19/11/91 \$115,338	MCMICHAEL 92-NA-101	
(ASERT) CODE VALIDATION FOR NONEQUILIBRIUM FLOWS	UNIV OF SOUTHERN CALIFORNIA	ERWEN	N 12 23/12/91 \$385,779	SAKELL 92-NA-132	
(EPSCOR) COMPRESSIBLE FLOW TURBULENCE SIMULATION AND MODELING VIA ADDITIVE TURBULENT DECOMPOSITION	UNIV OF KENTUCKY RESEARCH FOUNDATION	MCDONOUGH	N 24 09/12/91 \$167,543	SAKELL 92-NA-121	
STUDIES OF VORTEX DYNAMICS AND SEPARATION OVER PITCHING WINGS	WASHINGTON STATE UNIVERSITY	PAMAPPIAN	N 36 21/10/91 \$282,501	FANT 92-NA-012	\$80,000 15/01/92 \$282,501

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(AASERT) EXPERIMENTAL RESEARCH ON THREE-DIMENSIONAL UNSTEADY FLOW FIELDS WASHINGTON STATE UNIVERSITY	PAPAPIRIAN BELAKAVADI	N 24 12/11/91 \$145,765	FANT 92-NA-030	
(AASERT) EXPERIMENTS IN TURBULENT SPRAY COMBUSTION UNIV OF CALIFORNIA	KENNEDY IAN	N 36 07/10/91 \$111,593	TISHKOFF 92-NA-004	
MECHANICS OF LOCALIZED DEFORMATION OF SOLIDS UNDER CYCLIC MECHANICAL AND THERMAL LOADINGS UNIV OF CALIFORNIA	LIN T	N 36 03/10/91 \$245,030	A WU 92-NA-007	\$78,757 01/02/92 \$245,030
FEEDBACK CONTROL OF VORTEX FLOWS UNIV OF CALIFORNIA	MONKEWITZ PETER	N 36 11/10/91 \$218,390	MCMICHAEL 92-NA-010	
(AASERT) EXPERIMENTAL INVESTIGATION OF STABILITY AND INSTABILITY OF SAND UNIV OF CALIFORNIA	LACE PAUL	N 24 51/10/91 \$230,739	LEWIS 92-NA-042	
(AASERT) STUDY OF MICROMACHINERY - AN EMERGING TECHNOLOGY UNIV OF CALIFORNIA	HO CHIH-MING	N 24 21/10/91 \$155,019	MCMICHAEL 92-NA-049	
(AASERT) LOCALIZED DEFORMATION IN POLYCRYSTALLINE SOLIDS UNDER MONOTONIC AND CYCLIC LOADINGS UNIV OF CALIFORNIA	LIN TUNG	N 24 13/11/91 \$124,512	WU 92-NA-068	
(AASERT) EFFECTS OF FABRIC ANISOTROPY AND MICROSTRUCTURE ON STRAIN LOCALIZATION IN GRANULAR MATERIALS UNIV OF CALIFORNIA	NEMAT-NASSER SIAVOUCHE	N 24 13/11/91 \$163,621	LEWIS 92-NA-079	
STUDY OF FLUID-DYNAMICS WITH INTEGRATED MICRO-SENSORS UNIV OF CALIFORNIA	HO CHIH-MING	N 24 20/11/91 \$292,908	MCMICHAEL 92-NA-108	

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MANIPULATION OF AEROSOL RESPONSE IN AN UNSTEADY STREAM UNIV OF CALIFORNIA	WU	N 36 21/11/91 \$325,230	A FANT 92-NA-111	\$120,221 01/02/92 \$385,230
INTERGRABLE AND CHAOTIC MOTION OF A SOLID BODY THROUGH A FLUID UNIV OF CALIFORNIA, SAN DIEGO	AREE	N 36 21/11/91 \$225,376	MCMICHAEL 92-NA-109	
(CASSERT) EXPERIMENTAL STUDY OF LOCALIZED DAMAGE IN TC WMC AT ELEVATED TEMPERATURE CONDITIONS UNIV OF RHODE ISLAND	GHONIEH	N 26 13/11/91 \$152,255	JONES 92-NA-087	
(CASSERT) TIME ACCURATE AERELASTIC COMPUTATIONAL METHODS FOR WING ANALYSIS NORTH CAROLINA STATE UNIVERSITY	MCPIE	N 24 31/10/91 \$229,736	SAKELL 92-NA-043	
IDEALIZATION CONTROL TECHNIQUES FOR THE ANALYSIS OF HETEROGENEOUS MEDIA RENSSELAER POLYTECHNIC INSTITUTE	SHEPARD	A 36 21/10/91 \$455,539	WU 92-NA-015	
(CASSERT) IDEALIZATION CONTROL TECHNIQUES FOR THE ANALYSIS OF HETEROGENEOUS MEDIA RENSSELAER POLYTECHNIC INSTITUTE	SHEPARD	N 26 25/10/91 \$199,952	WU 92-NA-035	
(CASSERT) STUDENT RESEARCH IN METALLIC FUEL COMBUSTION KINETICS RENSSELAER POLYTECHNIC INSTITUTE	FONTIJN	N 36 23/10/91 \$153,700	SIRKAN 92-NA-036	
COMBUSTION KINETICS OF HEDMS AND METALLIC FUELS RENSSELAER POLYTECHNIC INSTITUTE	FONTIJN	N 36 25/11/91 \$465,942	A SIRKAN 92-NA-113	\$110,286 01/03/92 \$338,375
(CASSERT) A CONCEPTUAL MODEL OF VORTEX BREAKDOWN UNIV OF NOTRE DAME	NELSON	N 24 14/11/91 \$69,178	FANT 92-NA-089	

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ATOMIZATION OF VISCOUS LIQUID SHEETS TUSKEGEE INSTITUTE	IBRAHIM ESSAM	N 36 13/11/91 \$116,235	A TISHKOFF 92-NA-115	\$44,311 01/03/92 \$116,235
ATOMIZATION OF VISCOUS LIQUID SHEETS TUSKEGEE INSTITUTE	IBRAHIM ESSAM	N 36 13/12/91 \$116,235	TISHKOFF 92-NA-130	
(AASERT) RESEARCH TRAINING IN SPACECRAFT DYNAMICS, STABILITY & CONTROL PENNSYLVANIA STATE UNIVERSITY	AMOS ATHOLLY	N 36 23/10/91 \$120,746	WU 92-NA-033	
(AASERT) DOMAIN PROCESSES IN FERROELECTRIC CERAMICS PENNSYLVANIA STATE UNIVERSITY	CROSS L ERIC	N 25 31/10/91 \$109,513	WU 92-NA-048	
(AASERT) INSTABILITIES AND MODEL INTERACTIONS IN THE DYNAMICS OF NONLINEAR STRUCTURES PENNSYLVANIA STATE UNIVERSITY	CUSUMANO JOSEPH	N 24 13/11/91 \$187,307	WU 92-NA-070	
(AASERT) SURFACE REACTIVITY OF COMBUSTION GENERATED Soot PARTICLES PENNSYLVANIA STATE UNIVERSITY	SANTORO ROBERT	N 36 13/11/91 \$153,254	TISHKOFF 92-NA-082	
(AASERT) FLAME-TURBULENCE INTERACTIONS PENNSYLVANIA STATE UNIVERSITY	SANTAVICCA DOMENIC	N 36 13/11/91 \$159,334	TISHKOFF 92-NA-086	
(AASERT) SWIRL EFFECTS ON COAXIAL INJECTOR ATOMIZATION PENNSYLVANIA STATE UNIVERSITY	SANTORO ROBERT	N 36 13/11/91 \$131,092	BIRKAN 92-NA-088	
(AASERT) CONTROL AND MANAGEMENT OF UNSTEADY AND TURBULENT FLOWS ILLINOIS INSTITUTE OF TECHNOLOGY	NAGIB HASSAN	N 36 13/11/91 \$144,515	TISHKOFF 92-NA-090	

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DOCUMENTATION AWARDS FOR PHYSICAL CHEMISTRY STUDENTS UNIV OF DENVER	COOMBE ROBERT	N 12 03/10/91 \$41,648	BERMAN 92-NC-036	
RESEARCH TRAINING IN SURFACE SCIENCE UNIV OF CHICAGO	SIEFNER STEVEN	N 12 17/10/91 \$59,215	ERSTFELD 92-NC-010	
FLUORINATED SURFACE SPECIES IN POLYMER UNIV OF ILLINOIS	GELMAN ANDREW	N 12 17/10/91 \$63,117	ERSTFELD 92-NC-014	
OPTICAL COMPOSITES UNIV OF FLORIDA	HENCH LARRY	N 12 21/10/91 \$51,376	ERSTFELD 92-NC-017	
TAILORED INORGANIC AND ORGANOMETALLIC POLYMERS UNIV OF MICHIGAN	LAINÉ RICHARD	N 12 22/10/91 \$20,616	ERSTFELD 92-NC-024	
SPECTROELECTROCHEMICAL INVESTIGATIONS OF MOLTEN HALIDE SOLUTION UNIV OF TENNESSEE	MAMANTOV GLEB	N 12 28/10/91 \$22,740	WILKES 92-NC-031	
ENERGY TRANSFER PROCESSES OF RELEVANCE TO OXYGEN-IODINE AND OPTICALLY PUMPED LASERS EMORY UNIVERSITY	HEAVEN MICHAEL	N 12 23/10/91 \$21,329	BERMAN 92-NC-032	
FORMATION OF CERAMIC COMPOSITES BY SPINNING OF COATED REINFORCEMENT PARTICLES UNIV OF MISSOURI	KAHAMAN MOHAMED	N 12 29/10/91 \$49,671	BURGGRAPH 92-NC-035	
SPECTROSCOPY AND DYNAMICS OF VIBRATIONALLY EXCITED MOLECULES UNIV OF WISCONSIN	COIM F. FLEMING	N 12 29/10/91 \$51,086	BERMAN 92-NC-037	

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SYNCHROTRON STRAIN MAPPING STUDIES OF THE DEFORMATION OF SICRYSTALS UNIV OF MICHIGAN	PILELLI	N 12 01/10/91 \$106,770	ROSENSTEIN 92-NC-043	
DIATIONS AS HIGH ENERGY SPECIES: GRADUATE TRAINING IN CHEMICAL PHYSICS AT JILA UNIV OF COLORADO	LINSERGER A. CAPL	N 12 01/10/91 \$67,241	BERMAN 92-NC-047	
PHOTOPHYSICS AND PHOTOCHEMISTRY OF OLIGOSILANES UNIV OF COLORADO	MICHL JCSEF	N 12 01/10/91 \$57,537	HEDBERG 92-NC-048	
HYDROGEN BONDING INTERACTIONS IN POLYMERS UNIV OF TEXAS	SANCHEZ ISAAC	N 12 01/10/91 \$43,056	LEE 92-NC-056	
AUGMENTATION FOR RESEARCH IN SPACE MATERIALS UNIV OF DENVER	AMME ROBERT	N 36 01/11/91 \$104,751	BURGGRAPH 92-NC-057	
NEW METAL PROMPTED CHEMISTRY OF FLUORINATED ORGANIC MOLECULES CARTMOUTH COLLEGE	HUGHES RUSSELL	N 36 01/11/91 \$245,534	HEDBERG 92-NC-060	
MECHANICAL PROPERTIES OF CERAMIC COMPOSITES EXHIBITING TAILORED COMPLEX BIMODAL MICROSTRUCTURES LEHIGH UNIVERSITY	HARMER MARTIN	N 36 01/11/91 \$152,369	BURGGRAPH 92-NC-063	
DEVELOPMENT OF AN ULTRA-HIGH VACUUM ATOMIC FORCE MICROSCOPE UNIV OF MAINE	UNERTL WILLIAM	N 36 01/11/91 \$149,933	LEE 92-NC-064	
DIFFUSIVITY AND STRUCTURAL MODIFICATION OF NANOCRYSTALLINE AL- ALUMINIDES UNIV OF ILLINOIS	MAZUMDER JYOTI	N 36 01/11/91 \$193,948	ROSENSTEIN 92-NC-065	

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STRUCTURAL DEVELOPMENT IN VANADIUM PENTOXIDE AND POTASSIUM NIOBATE UNIV OF MINNESOTA	MCCARTNEY MARTHA	N 36 01/11/91 \$173,969	ERSTFELD 92-NC-067	
SYNTHESES AND PROCESSING OF ORGANICALLY-MODIFIED GLASSES AND OPTICAL AND ELECTRICAL APPLICATIONS UNIV OF ARIZONA	UHLMANN DONALD	N 36 01/11/91 \$269,317	ERSTFELD 92-NC-068	
MECHANICAL BEHAVIOR OF TRANSFORMATION TOUGHENED CERAMIC COMPOSITES UNIV OF ILLINOIS	KRIVEN ALTRAUD	N 36 04/11/91 \$192,664	BURGGRAB 92-NC-072	
THE NUCLEATION OF CRYSTALLINE FILMS FROM VAPOR PHASE REACTANTS BROWN UNIVERSITY	SHELCON SPIAN	N 36 04/11/91 \$165,562	BURGGRAB 92-NC-076	
STUDIES OF CARBON AND BORON SURFACES UNIV OF ILLINOIS	TRENARY MICHAEL	N 36 04/11/91 \$152,755	W ERSTFELD 92-NC-079	
DEVELOPMENT OF MULTIJUNCTIONAL MATERIALS UNIV OF CHICAGO	YU LUPING	N 36 15/11/91 \$343,369	LEE 92-NC-083	
STUDIES OF CARBONA AND BORON SURFACES UNIV OF ILLINOIS	TRENARY MICHAEL	N 35 20/11/91 \$51,268	ERSTFELD 92-NC-089	
STATE SELECTED PHOTOASSOCIATION: ULTRA-COLD ATOMIC "WALL- COLLISIONS" AND INTENSE LASER FIELD EFFECTS UNIV OF IOWA	KLEBER PAUL	N 36 21/11/91 \$256,400	BERMAN 92-NC-090	
GRAY 2 CALCULATIONS ON NITROGEN CLUSTERS UNIV OF FLORIDA	BARTLETT RODNEY	N 12 22/11/91 \$9,000	A BURGGRAB 92-NC-093	\$9,000 01/10/91 \$9,000

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CRAY 2 CALCULATIONS OF POTENTIAL ENERGY SURFACES FOR DICATIONS UNIV OF COLORADO	LIEBERGER W. CARL	N 12 22/11/91 \$1,500	A SURGGRAF 92-NC-035	\$1,500 01/10/91 \$1,500
DEVELOPMENT OF AN ULTRA-HIGH VACUUM ATOMIC FORCE MICROSCOPE UNIV OF MAINE	MYERTL WILLIAM	N 36 04/12/91 \$149,933	LEE 92-NC-100	
THE STRUCTURE AND REACTIVITY OF CARBON AND CARBON SURFACES UNIV OF ILLINOIS	TREHARV MICHAEL	N 36 04/12/91 \$364,185	A ERSTFELD 92-NC-102	\$108,357 15/03/92 \$364,185
LASER DETONATION OF AMORPHOUS CIZNE UNIV OF UTAH	WIGHT CHARLES	N 36 09/12/91 \$109,227	BERMAN 92-NC-110	
STUDENT PARTICIPATION IN RESEARCH ON ALKALI METAL-HYDROGEN REACTIONS IN CLUSTERS UNIV OF IOWA	YOUNG MARK	N 36 09/12/91 \$79,971	BERMAN 92-NC-111	
SPECTROSCOPY OF IMPURITIES EMBEDDED IN SOLID HYDROGEN UNIV OF CHICAGO	CKA TAKESHI	N 36 07/12/91 \$198,255	BERMAN 92-NC-112	
MICROSTRUCTURE AND PROPERTIES OF ORIENTED SEMICRYSTALLINE BLOCK COPOLYMERS UNIV OF MINNESOTA	BATES FRANK	N 36 11/12/91 \$217,212	LEE 92-NC-115	
ELECTROCHEMICAL AND SPECTROSCOPY STUDIES OF SELECTED INORGANIC AND ORGANIC SYSTEMS IN MOLTEN HALIDES UNIV OF TENNESSEE	MAMONTOV GLEB	N 36 16/12/91 \$512,489	WILKES 92-NC-121	
CRYSTAL "STRUCTURE" AND TRANSITIONS IN RIGID BACKBONE THERMOGRAPHIC LIQUID CRYSTAL POLYMERS UNIV OF ILLINOIS	GEIL PHILLIP	N 36 17/12/91 \$495,239	LEE 92-NC-123	

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HIGH FLOW LOW DENSE BILIMUT VAPOR SOURCE XOMET, INC.	WILCH	Y 24 19/12/91 \$527,500	A PERAM 92-NC-129	\$176,000 01/02/92 \$527,500
MECHANICAL BEHAVIOR OF COMPOSITE INTERFACES UNIV OF MICHIGAN	GHOSH	Y 36 23/12/91 \$207,192	ROSENSTEIN 92-NC-130	
TURBULENT HEAT TRANSFER FOR SUPERCRITICAL HYDROGEN AT CRYOGENIC TEMPERATURES UNIV OF KENTUCKY	CHOW	Y 36 22/12/91 \$240,756	PURGGRAF 92-NC-132	
CONTINUOUS CRYSTAL GROWTH OF NONLINEAR OPTICAL ORGANIC MATERIALS UNIV OF WISCONSIN	KOU	Y 36 24/12/91 \$254,390	LEE 92-NC-134	
CONDUCTING THERMOSET POLYMERS MCDENNELL JOUSLAS RESEARCH LAB	BRONN	Y 39 19/12/91 \$399,508	LEE 92-NC-127	
WORKSHOP ON ORGANIC OPTOELECTRONIC MATERIALS AMERICAN CHEMICAL SOCIETY	THIES	Y 12 15/10/91 \$1,000	LEE 92-NC-009	
NEW POLYMERS AND COMPOSITES WITH ENHANCED OPTICAL NONLINEARITY NORTHERN ILLINOIS UNIVERSITY	SPANGLER	Y 12 29/10/91 \$29,252	LEE 92-NC-038	
COMPRESSION BEHAVIOR OF MATERIALS GEORGIA INSTITUTE OF TECH	KUMAR	Y 12 22/10/91 \$61,370	HEDBERG 92-NC-023	
COMPRESSION BEHAVIOR OF MATERIALS GEORGIA INSTITUTE OF TECH	KUMAR	Y 12 29/10/91 \$61,370	HEDBERG 92-NC-036	

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FABRICATION, MONOTONIC DEFORMATION AND FATIGUE OF NIAL SINGLE CRYSTALS GEORGIA INSTITUTE OF TECH	ANTOLCZVICH	11 36 23/12/91 \$217,059	POSENSTEIN 92-NC-131	
DEVELOPMENT OF ADVANCED PHOTONIC MATERIALS UNIV OF SOUTHERN CALIFORNIA	DALTON	11 12 23/10/91 \$97,616	LEE 92-NC-029	
LASER STUDIES OF GAS SURFACE INTERACTIONS UNIV OF SOUTHERN CALIFORNIA	WITTIG	11 12 21/10/91 \$23,797	BERMAN 92-NC-043	
CATALYSIS OF THE SELECTIVE DEHYDROGENATION OF HYDROCARBONS UNIV OF SOUTHERN CALIFORNIA	KOEL	11 36 04/11/91 \$94,706	ERSTFELD 92-NC-070	
INTERFACE STUDIES IN CERAMIC MATRIX COMPOSITES CITY COLLEGE - CUNY	DELALE	11 12 22/10/91 \$47,224	BURGGRAB 92-NC-020	
CONJUGATED POLYMERS WITH DEGENERATE GROUND STATES: THE ROUTE TO HIGH PERFORMANCE HLO RESPONSE UNIV OF CALIFORNIA	HEEGER	11 12 07/10/91 \$244,353	LEE 92-NC-002	
STUDIES OF TRANSITION STATES AND INTERMEDIATES IN POLYATOMIC REACTIONS BY NEGATIVE ION PHOTOELECTRON SPECTROSCOPY UNIV OF CALIFORNIA	NEUMARK	11 12 19/10/91 \$34,764	BERMAN 92-NC-016	
PHOTOCHEMISTRY OF GAS PHASE CLUSTER IONS UNIV OF CALIFORNIA	SCHERS	11 12 22/10/91 \$52,322	BERMAN 92-NC-019	
CONJUGATED POLYMERS WITH DEGENERATE GROUND STATES: THE ROUTE TO HIGH PERFORMANCE HLO RESPONSE UNIV OF CALIFORNIA	HEEGER	11 12 23/10/91 \$60,902	LEE 92-NC-026	

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HIGH TEMPERATURE STRUCTURAL MATERIALS - CREEP AND FATIGUE PROPERTIES OF LAMINATED METAL COMPOSITES UNIV OF CALIFORNIA	MURKINJEE AMIVA	12 29/10/91 \$7,345	ROSENSTEIN 92-NC-023	
NEW METHODS FOR TREATMENT OF ELECTRON CORRELATION AND SURFACE DYNAMICS UNIV OF CALIFORNIA	CARTER EMILY	12 20/10/91 \$68,953	BURGGRAPH 92-NC-044	
AMORPHOUS AND CRYSTALLINE FERROELECTRICS FROM LIQUID SOLUTIONS UNIV OF CALIFORNIA	WACKENZIE JOHN	36 01/11/91 \$250,417	ERSTFELD 92-NC-059	
FATIGUE MECHANISMS IN INTERMETALLIC MATRIX COMPOSITES PRODUCED BY SOLIDIFICATION TECHNIQUES UNIV OF CALIFORNIA	EARTHMAN JAMES	36 04/11/91 \$345,470	ROSENSTEIN 92-NC-059	
GRAY 2 CALCULATIONS ON REACTIONS OF SILICON SURFACES UNIV OF CALIFORNIA	CARTER EMILY	12 15/11/91 \$1,000	A BURGGRAF 92-NC-087	\$1,000 01/10/91 \$1,000
GRAY 2 CALCULATIONS TO DEVELOP THEORETICAL MODELS OF ELECTRON SCATTERING FROM SURFACES UNIV OF CALIFORNIA	NETTU MORITA	12 22/11/91 \$1,000	A BURGGRAF 92-NC-091	\$1,000 01/10/91 \$1,000
ULTRAFAST STUDIES IN HIGH PRESSURE SOLIDS: EXPERIMENT AND THEORY UNIV OF CALIFORNIA	APKARIAN VARTKISS	26 09/12/91 \$113,317	BERMAN 92-NC-109	
XXTH INTERNATIONAL CONFERENCE ON PHOTOCHEMISTRY GEORGIA TECH RESEARCH COOPERATION	WINE PAUL	12 22/10/91 \$5,000	BERMAN 92-NC-021	
PHOTOASSOCIATION STUDIES OF SULFUR OXIDES UNIV OF PUERTO RICO, RIO PIEDRAS	WEINER BRAD	36 04/12/91 \$155,613	BERMAN 92-NC-101	

TITLE (CONT.) INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOT AMT.
NANOCOMPOSITES AEROGELS: SYNTHESIS CHARACTERIZATION AND PROPERTY EVALUATION PENNSYLVANIA STATE UNIVERSITY	POY RUSTUM	4 12 17/10/91 \$57,059	ERSTFELD 92-NC-012	
PREPARATION AND STUDY OF VIBRATIONALLY EXCITED MOLECULES USING LASER TECHNIQUES PENNSYLVANIA STATE UNIVERSITY	ERNST MCLELLANG	4 12 31/10/91 \$53,211	BERMAN 92-NC-050	
CRY 2 CALCULATIONS ON POTENTIAL ENERGY SURFACES OF HECM MOLECULES NORTH DAKOTA STATE UNIVERSITY	GORDON MARK	4 12 22/11/91 \$1,000	A BUPGGRAF 92-NC-094	\$1,000 01/10/91 \$1,000
NEW APPROACHES TO SYNTHESIS OF NOVEL BINARY AND TERNARY COMPOSITES NORTH DAKOTA STATE UNIVERSITY	SCUDJOUK PHILIP	4 36 05/12/91 \$150,000	WEDBERG 92-NC-105	
TRANSPORTABLE DYE LASERS FOR ENVIRONMENTAL ANALYSIS NORTH DAKOTA STATE UNIVERSITY	GILLISPIE STEADRY	4 36 06/12/91 \$150,000	BUPGGRAF 92-NC-106	
FABRICATION OF BIOMIMETIC MOLECULAR-LEVEL COMPOSITES PENNSYLVANIA STATE UNIVERSITY	SIAMCUNI PATRICIA	4 36 10/12/91 \$240,000	WEDBERG 92-NC-114	
A NEW APPROACH TOWARD THE UNDERSTANDING OF OXIDATION OF CARBON/CARBON COMPOSITES PENNSYLVANIA STATE UNIVERSITY	THROWER PETER	4 36 23/12/91 \$251,311	BUPGGRAF 92-NC-129	
HYDROTHERMAL PROCESSES FOR LOW TEMPERATURE (>5000C) SYNTHESIS OF NON-METALLIC INORGANIC MATERIALS PENNSYLVANIA STATE UNIVERSITY	RDV RUSTUM	4 36 30/12/91 \$542,575	ERSTFELD 92-NC-135	
SYNTHESIS, CHARACTERIZATION AND PROPERTIES OF NANOMETER-SIZED INTERMETALLICS ILLINOIS INSTITUTE OF TECHNOLOGY	DOLLAR WAREK	4 12 31/10/91 \$81,702	ROSENSTEIN 92-NC-051	

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TITLE (CONT.)
INSTITUTION

(CAASERT) USING A COMBINED TEMPORAL FILTERING AND CORRELATION
TECHNIQUE TO INVESTIGATE INTERPACTIVE CONTROL IN A TURBULENT
ILLINOIS INSTITUTE OF TECHNOLOGY WAPK

CANDACE

FATIGUE AND THE INCEPTION AND ORGANIZATION OF IMPERFECTIONS
ILLINOIS INSTITUTE OF TECHNOLOGY GURALNICK

S A

MICROMECHANICS MODELING AND ANALYSIS OF HAVERSIAN COMPACT BONE
TISSUE AS A FIBER REINFORCED COMPOSITE MATERIAL
TEXAS A AND M RESEARCH FOUNDATION HOGAN

HARRY

(CAASERT) MIXING, CONTROL OF TRANSPORT ENHANCEMENT, AND STRUCTURE
FORMATION
NORTHWESTERN UNIVERSITY OTTINO

JULIO

(CAASERT) DAMAGE EVOLUTION IN QUASI-BRITTLE MATERIALS SUBJECTED TO
MONOTONIC AND FATIGUE LOADING
NORTHWESTERN UNIVERSITY SHAM

SURENDR

MECHANICS OF SMART STRUCTURES
NORTHWESTERN UNIVERSITY

JAN

(CAASERT) EFFECTS OF GEOMETRIC AND MATERIAL PARAMETERS ON BEHAVIOR
OF FIBER COMPOSITES
NORTHWESTERN UNIVERSITY DANIEL

ISAAC

(CAASERT) INTERFACIAL PROPERTIES OF HIGH TEMPERATURE COMPOSITES
NORTHWESTERN UNIVERSITY KEER

LEON

(CAASERT) MICROMECHANICS OF INTERFACES IN HIGH-TEMPERATURE
COMPOSITES
NORTHWESTERN UNIVERSITY MURA

TOSHIO

TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGE. PROPOSAL #	INITIATE START DATE TOT AMT
N 36 13/11/91 \$144,515	TISHKOFF 92-VA-093	
N 24 21/11/91 \$330,320	WU 92-NA-112	
N 24 04/10/91 \$150,213	A JONES 92-VA-003	\$75,535 01/01/92 \$150,213
N 12 23/10/91 \$244,058	MCNICHAE 92-NA-020	
N 24 25/10/91 \$224,131	WU 92-NA-027	
N 36 04/11/91 \$247,529	WU 92-NA-052	
N 36 13/11/91 \$135,116	JONES 92-NA-071	
N 36 13/11/91 \$396,579	JONES 92-NA-077	
N 36 13/11/91 \$523,596	JONES 92-NA-078	

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TITLE INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOT AMT
(AASERT) PERTURBED SUPERSONIC TURBULENT BOUNDARY LAYERS OHIO STATE UNIV RESEARCH FOUNDATION	SAMIMY	N 36 21/10/91 \$106,999	SAKELL 92-NA-011	
(AASERT) DRAG REDUCTION FOR HIGH-SPEED AIRCRAFT OHIO STATE UNIV RESEARCH FOUNDATION	HERBERT	N 24 18/11/91 \$140,866	SAKELL 92-NA-099	
(AASERT) FLOW CONTROL BY "SMART WALLS" OHIO STATE UNIV RESEARCH FOUNDATION	HERBERT	N 24 13/11/91 \$139,356	MCMICHAEL 92-NA-104	
A STUDY OF MIXING AND COMBUSTION IN THE PRESENCE OF A STRONG STREAMWISE VORTICITY OHIO STATE UNIV RESEARCH FOUNDATION	SAMIMY	N 24 10/12/91 \$35,694	TISHKOFF 92-NA-122	
ANALYSIS AND CONTROL OF INTERCONNECTED STRUCTURES OHIO STATE UNIV RESEARCH FOUNDATION	OSGUNEP	N 36 27/12/91 \$335,332	WU 92-NA-134	
(AASERT) A NOVEL-MECHANICS MODELLING OF DAMAGE AND DEFORMATION FOR BONDED GRANULES UNIV OF MASSACHUSETTS	CHANG	N 24 28/10/91 \$143,124	LEWIS 92-NA-024	
MICROSTRUCTURAL DEFORMATION MECHANISMS IN CALCIFIED TISSUE CITY UNIVERSITY OF NEW YORK	COWIN	N 36 18/12/91 \$275,195	JONES 92-NA-127	
(AASERT) DYNAMIC INTERACTION OF LIQUID-STRUCTURAL SYSTEMS IOWA STATE UNIV OF SCIENCE AND TECH	BAUMGARTEN	N 36 12/11/91 \$192,522	WU 92-NA-054	
(AASERT) AN ACCELERATED STUDY OF WALL REGION-MODELING FOR HYPERSONIC INLET SHOCK/BOUNDARY LAYER INTERACTION FLOWS IOWA STATE UNIV OF SCIENCE AND TECH	INGER	N 24 15/11/91 \$87,318	SAKELL 92-NA-096	

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TITLE (CONT.) INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TDT AMT
INCORPORATING RADIAL MIXING IN AXISYMMETRIC THROUGH-FLOW ANALYSIS FOR PREDICTING PERFORMANCE OF AXIAL-FLOW COMPRESSORS IOWA STATE UNIV OF SCIENCE AND TECH	KAVANAGH PATRICK	N 12 17/12/91 \$39,950	FANT 92-NA-126	
(AASERT) LOCALIZATION & FRACTURE IN NANOSTRUCTURAL MATERIALS MICHIGAN TECHNOLOGICAL UNIVERSITY	ALFANTIS ELIAS	N 36 12/11/91 \$89,054	JONES 92-NA-051	
AN INVESTIGATION OF THE CLAIM THAT ST ₁ IS CONSTANT UNIV OF PITTSBURGH	MACIEJEWSKI PAUL	N 24 23/10/91 \$32,933	FANT 92-NA-018	
(AASERT) ANALYSIS OF DYNAMIC STALL PHENOMENA USING ADAPTIVE GRIDS AND LES METHODOLOGY UNIV OF CINCINNATI	GHIA KIRTI	N 24 21/12/91 \$199,270	FANT 92-NA-044	
(AASERT) ADAPTIVE GRID SOLUTIONS OF SHOCK WAVE/BOUNDARY LAYER/ BLEED INTERACTIONS UNIV OF CINCINNATI	HAMED AWATEF	N 24 18/11/91 \$197,721	SAKELL 92-NA-097	
(AASERT) MICROFABRIC OF DEFORMATION OF SILTY CLAYS UNIV OF EAST AGLIA	TOVEY N KEITH	N 24 23/10/91 \$125,723	LEWIS 92-NA-026	
NON-DESTRUCTIVE PARTICLE CAMPING (NOPD) MECHANISMS ROCKWELL INTERNATIONAL	PANJSSIAN H	N 36 27/12/91 \$324,810	WU 92-NA-137	
SOLO IS&T PROGRAM EASTERN SPACE & MISSILE CENTER	KENNEDY MIKE	N 10 16/12/91 \$100,000	A SAKELL 92-NA-124	\$100,000 16/12/91 \$100,000
QUANTITATIVE IMAGING OF TIME-EVOLVING STRUCTURE IN SUPERSONIC AND HYPERSONIC FLOWS PRINCETON UNIVERSITY	MILES RICHARD	N 48 04/10/91 \$454,635	A SAKELL 92-NA-002	\$5,010 01/02/92 \$454,635

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TITLE TITLE (CONT.) INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPCAL #	INITIATE START DATE TOT AMT
(AASERT) STUDENT TRAINING PROGRAM IN ADVANCED DIAGNOSTICS FOR HIGH-SPEED FLUID MECHANICS PRINCETON UNIVERSITY	WILES	N 24 30/10/91 \$457,395	SAKELL 92-NA-041	
(AASERT) LARGE-EDDY SIMULATION OF COMPRESSIBLE TURBULENCE PRINCETON UNIVERSITY	DRSZAG	N 36 13/11/91 \$120,379	TISHKOFF 92-NA-075	
(AASERT) DROPLET COLLISION IN SPRAY COMBUSTION PRINCETON UNIVERSITY	LAM	N 36 13/11/91 \$153,000	SIRKAN 92-NA-095	
(AASERT) NOVEL DIAGNOSTICS FOR STUDY OF MIXING & CHEMICAL REACTIONS IN TURBULENT LIQUID PHASE FLOWS MICHIGAN STATE UNIVERSITY	KDOCHESAHANI	N 24 31/10/91 \$133,308	MCMICHAEL 92-VA-050	
(AASERT) SUPPLEMENT RESEARCH RELATED TO JET IMPINGEMENT COOLING UNIV OF WASHINGTON	KURCSAKA	N 36 28/10/91 \$135,344	FANT 92-NA-034	
(AASERT) SUPPORT FOR AASERT STUDENT FOR PROCESSING AND CHARACTERIZATION OF COATED C/C COMPOSITE UNIV OF WASHINGTON	TAYA	N 36 12/11/91 \$98,528	JONES 92-VA-057	
(AASERT) A GENERALIZED INVERSE DESIGN TECHNIQUE FOR SUPERSONIC & HYPERSONIC VEHICLES VIRGINIA POLYTECHNIC INST & STATE UNIV	WALTERS	N 24 25/10/91 \$216,643	SAKELL 92-NA-025	
(AASERT) NONLINEAR AERELASTICITY OF COMPOSITE WINGS VIRGINIA POLYTECHNIC INST & STATE UNIV	MAYFEE	N 36 29/10/91 \$15,590	WU 92-NA-031	
(AASERT) THE FEASIBILITY OF FLYING "WEEBIE" ON A DYNAMIC STRUT VIRGINIA POLYTECHNIC INST & STATE UNIV	TELIONIS	N 24 31/10/91 \$149,794	FANT 92-NA-045	

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TITLE (CONT.) INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOT AMT
(AASERT) FATIGUE BEHAVIOR OF PIEZOELECTRIC ACTUATORS VIRGINIA POLYTECHNIC INST & STATE UNIV	POGERS CRAIG	N 24 12/11/91 \$153,232	WU 92-NA-094	
(AASERT) TWO-PHASE FLOW IN HIGH-PERFORMANCE HELICAL COIL HEAT EXCHANGERS CLEVELAND STATE UNIV/COLL OF ENGINEERING	KESWICK EDWARD	N 24 09/12/91 \$107,373	SAKELL 92-NA-119	
MICROSCOPIC STRESS FIELD MEASUREMENT WITH THE SCANNING ELECTRON MICROSCOPE UNIV OF NEW MEXICO	MCNEIL JOHN	N 36 03/10/91 \$489,340	WU 92-NA-006	
(AASERT) DYNAMIC FRACTURE OF CERAMICS UNIV OF NEW MEXICO	WING MING	N 24 13/11/91 \$77,546	WU 92-NA-067	
(AASERT) BIFURCATIONS OF DAMAGING MATERIALS UNIV OF NEW MEXICO	SCHREYER HOWARD	N 24 09/12/91 \$61,578	WU 92-NA-120	
(AASERT) MODELING AND CONTROL OF INTELLIGENT FLEXIBLE STRUCTURES STATE UNIVERSITY OF NEW YORK	INMAN DANIEL	N 24 21/10/91 \$171,975	WU 92-NA-014	
COMPRESSIBLE BOUNDARY LAYER TRANSITION IN SHEET-WING FLOWS USING PSE HIGH TECHNOLOGY CORP	MALIK MUJEEB	N 48 28/10/91 \$336,937	SAKELL 92-NA-017	
(AASERT) MECHANICAL BEHAVIOR OF MOLLUSK SHELLS CASE WESTERN RESERVE UNIVERSITY	BALLARINI ROBERTO	N 36 12/11/91 \$130,735	JONES 92-NA-063	
(AASERT) KINETICS AND MOLECULAR ENERGY TRANSFER STUDIES IN PROPELLANT MIXTURES CONTAINING AMMONIA AND HYDROGEN OHIO STATE UNIVERSITY	SUERAMANIAM VISHA	N 36 30/10/91 \$114,401	BIRKAN 92-NA-038	

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TITLE TITLE (CONT.) INSTITUTION	INVESTIGATOR	UNIT	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOT AMT
(ASSET) INTEGRATED CIRCUITS FOR DISTRIBUTED CONTROL AND MAPPING OF DECENTRALIZED CONTROL ALGORITHMS OHIO STATE UNIVERSITY	ZZGNER	UNIT	N 36 13/11/91 \$150,009	WU 92-NA-069	
NONLINEAR DYNAMICS OF THICK CYLINDRICAL SHELLS AIR FORCE INSTITUTE OF TECHNOLOGY	PALACOTTO	UNIT	N 24 03/10/91 \$100,510	WU 92-NA-009	
(ASSET) NONCHEMICAL SPACE POPULATION RESEARCH STUDIES MASSACHUSETTS INSTITUTE OF TECHNOLOGY	WASTINGS	DANIEL	N 36 30/10/91 \$255,628	BIRKAN 92-NA-039	
(ASSET) ADVANCED ELECTRIC PROPULSION STUDIES MASSACHUSETTS INSTITUTE OF TECHNOLOGY	SANCHEZ	MARTINEZ	N 36 12/11/91 \$256,628	BIRKAN 92-NA-059	
SCHEMICKING: ELECTRO-ELASTIC STRUCTURAL SPECIALITY IN AUDIOTRY RECEPTOR CELLS STANFORD UNIVERSITY	STEELE	CHARLES	N 36 03/10/91 \$209,985	JONES 92-NA-008	
(ASSET) PARTICLE SIMULATION METHOD IN A REGION OF HIGH DENSITY STANFORD UNIVERSITY	BAGANOFF	CONALD	N 36 28/10/91 \$231,454	SAKELL 92-NA-021	
(ASSET) GRADUATE STUDENT SUPPORT IN SUPERSONIC DIAGNOSTICS AND FLOW STANFORD UNIVERSITY	BOWMAN	CRAD	N 36 28/10/91 \$333,540	TISHKOFF 92-NA-028	
(ASSET) SUPPORT FOR GRADUATE RESEARCH TRAINING IN ADVANCED DIAGNOSTICS TECHNIQUES STANFORD UNIVERSITY	HANSON	ROYALD	N 36 30/10/91 \$259,720	TISHKOFF 92-NA-037	
(ASSET) ACHIEVING EXPERIMENTAL SCIENTIFIC UNDERSTANDING OF NEURAL NETWORKS STANFORD UNIVERSITY	CANNON, JR	ROBERT	N 24 13/11/91 \$255,309	WU 92-NA-073	

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(AASERT) TRANSITION IN HYPERSONIC BOUNDARY LAYERS STANFORD UNIVERSITY	FERZIGER	N 24 15/11/91 \$233,990	SAKELL 92-NA-095	
MICROSENSORS FOR TURBULENT FLOW DIAGNOSTICS CALIFORNIA INSTITUTE OF TECHNOLOGY	TAI	N 24 21/11/91 \$281,046	MCMICHAEL 92-NA-110	
(AASERT) STABILITY AND TRANSITION OF HYPERSONIC BOUNDARY-LAYER FLOWS ARIZONA STATE UNIVERSITY	REED	N 26 29/10/91 \$202,544	SAKELL 92-NA-022	
(AASERT) ORIGINS OF INTERFACCTIONS IN COMPOSITE MATERIALS JOHNS HOPKINS UNIVERSITY	CHIVENTI	N 24 31/10/91 \$130,513	WU 92-NA-047	
(AASERT) EXPERIMENTAL ANALYSIS OF METAL MATRIX COMPOSITES ARIZONA STATE UNIVERSITY	KOURIS	N 26 12/11/91 \$177,327	JONES 92-NA-058	
STABILITY AND TRANSITION OF HYPERSONIC BOUNDARY-LAYER FLOWS INCLUDING NON-EQUILIBRIUM CHEMISTRY ARIZONA STATE UNIVERSITY	REED	N 26 02/12/91 \$113,942	MCMICHAEL 92-NA-117	
(AASERT) TURBULENCE MODELING CORNELL UNIVERSITY	LUNLEY	N 24 20/11/91 \$124,191	MCMICHAEL 92-NA-106	
(EPSCOR) FLUID MECHANICS AND HEAT TRANSFER IN THE TRANSITIONAL BOUNDARY LAYERS CLEMSON UNIVERSITY	WANG	N 24 29/11/91 \$163,532	FANT 92-NA-116	
GENERALIZED LINEAR ELASTIC FRACTURE MECHANICS FOR ADVANCED MATERIALS CLEMSON UNIVERSITY	GOREE	N 36 27/12/91 \$115,323	JONES 92-NA-135	

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INSTITUTION

MATERIALS RESEARCH CENTER FELLOWSHIPS

UNIV OF PITTSBURGH

PETTY

Y 36

FOSENSTEIN
92-NC-074

NOVEL MATERIALS AND DEVICES FROM SELF ASSEMBLING STRUCTURES

UNIV OF PITTSBURGH

ASHER

Y 36
04/11/91
\$215,380

ERSTFELD
92-NC-078

FLUORINATED POLYAZANES - THERMOCYCLICALLY STABLE FLUIDS/USEFUL
HIGH ENERGY COMPOUNDS
UNIVERSITY OF IDAHO

SHREEVE

Y 12
03/10/91
\$55,494

HEDBERG
92-NC-039

NEW FLUOROALKYL AND FLUOROPHYL OLIGOMERS AND MONOMERS AS STABLE
FLUIDS/FLUID PRECURSORS
UNIVERSITY OF IDAHO

SHREEVE

Y 36
06/12/91
\$177,519

HEDBERG
92-NC-104

CORRELATION OF SCANNING TUNNELING MICROSCOPY IMAGES WITH AUGER
ELECTRON ANGULAR DISTRIBUTIONS
UNIV OF CINCINNATI

HUBBARD

Y 36
17/12/91
\$757,974

ERSTFELD
92-NC-122

HALOGEN AZIDE VISIBLE CHEMICAL LASERS

ROCKWELL INTERNATIONAL, SCIENCE CENTER

BERNARD

Y 24
03/12/91
\$450,161

BERMAN
92-NC-133

GRAY 2 CALCULATIONS FOR OPTIMAL CONTROL OF MOLECULAR MOTION

PRINCETON UNIVERSITY

PABITZ

Y 12
26/11/91
\$2,000

\$2,000
01/10/91
\$2,000

PROJECTS IN THEORETICAL CHEMISTRY FOR JASERT STUDENTS

OKLAHOMA STATE UNIVERSITY

PAPE

Y 12
07/10/91
\$32,485

BURGGRAB
92-NC-004

THEORETICAL CHEMICAL DYNAMICS STUDIES OF HIGH ENERGY DENSITY
MATERIALS

OKLAHOMA STATE UNIVERSITY

THOMPSON

Y 12
24/10/91
\$46,236

BURGGRAB
92-NC-028

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THIN POLYMER FILMS FOR SECOND ORDER NONLINEAR OPTICS OKLAHOMA STATE UNIVERSITY	WARREN	N 26 05/12/91 \$201,246	LEE 92-NC-103	
9TH INTERNATIONAL SOLID-STATE CONFERENCE INTERNATIONAL SOLID-STATE CONFERENCE	WYATT, JR.	N 12 14/11/91 \$5,000	C HEDBERG 92-NC-085	
ATOMICALLY RESOLVED SURFACE REACTION STUDIES UNIV OF WASHINGTON	ENGEL	N 12 23/10/91 \$27,473	BURGGRAPH 92-NC-030	
SYNTHESIS OF POTENTIAL HIGH-ENERGY FUELS AND MATERIALS USING HITOCARBONES UNIV OF PENNSYLVANIA	DAILEY	N 12 15/10/91 \$171,991	BERMAN 92-NC-009	
ENHANCED NONLINEAR OPTICAL PROCESSES UNIV OF PENNSYLVANIA	JARITO	N 36 11/12/91 \$279,850	LEE 92-NC-116	
JAPAN-U.S. CONFERENCE ON COMPOSITE MATERIALS VIRGINIA POLYTECHNIC INST & STATE UNIV	REISCHNER	N 12 07/10/91 \$10,000	BURGGRAPH 92-NC-005	
SPECTROSCOPIC INVESTIGATION OF THE PROPERTIES OF THE COMPACT AND DIFFUSE ELECTROCHEMICAL DOUBLE LAYER VIRGINIA POLYTECHNIC INST & STATE UNIV	ANDERSON	N 36 16/12/91 \$222,313	WILKES 92-NC-120	
MICROSTRUCTURE AND MECHANICAL RELIABILITY OF STRUCTURAL CERAMICS CARNEGIE-MELLON UNIVERSITY	READEY	N 12 31/10/91 \$99,527	BURGGRAPH 92-NC-046	
NONLINEAR OPTICAL PROPERTIES OF TETRAMETRIC MONODOMAIN POLYMERS CARNEGIE-MELLON UNIVERSITY	BERRY	N 36 01/11/91 \$142,251	LEE 92-NC-058	

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TITLE (CONT.)
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SOL-GEL DERIVED COMPOSITES FOR MICROELECTRONIC PACKAGING

CARNEGIE-MELLON UNIVERSITY

WJMTA

BRASHEAR

FORMATION MECHANISMS AND SOLIDITY IMPROVEMENT IN 22 ALUMINIDES

CARNEGIE-MELLON UNIVERSITY

COLLICK

TRISA

ENVIRONMENTALLY STABLE AND SERIAL CONDUCTIVE POLYMERS

UNIV OF NEW ORLEANS

JURSEC

GRAPHON

ASPECT AUGMENTATION TO PRESSURELESS SINTERING OF CERAMIC COMPOSITES

UNIV OF NEW MEXICO

WEISER

MARTIN

PHOTONICS AND NONLINEAR OPTICS WITH MOLECULAR AND POLYMERIC MATERIALS

STATE UNIVERSITY OF NEW YORK

FRASAD

PARAS

QUANTUM TRANSPORT IN MICROSCOPIC (SUPERLATTICE) SEMICONDUCTOR STRUCTURES

FLORIDA INTERNATIONAL UNIVERSITY

MARINA

CAROLYN

1992 GORDON RESEARCH CONFERENCE ON CHEMISTRY AT INTERFACES

GORDON RESEARCH CONFERENCES INC

HAIR

MICHAEL

1992 GORDON RESEARCH CONFERENCE ON SODACATALYSIS

GORDON RESEARCH CONFERENCES INC

ROZZELL

DAVID

1992 GORDON RESEARCH CONFERENCE ON PHYSICAL ELECTROCHEMISTRY

GORDON RESEARCH CONFERENCES INC

ABRUHA

HECTOR

TYPE/MONTHS
RECEIVED
AMOUNT

N 12
14/11/91
\$23,000

N 12
11/12/91
\$23,000

N 26
12/11/91
\$577,487

N 12
22/10/91
\$54,512

N 26
14/11/91
\$153,136

N 12
21/10/91
\$47,300

N 12
15/11/91
\$4,375

N 12
17/12/91
\$5,000

N 12
17/12/91
\$5,000

STATUS
PROGRAM MANAGER
PROPOSAL #

MEDEBERG
92-NC-034

ROSENSTEIN
92-NC-117

LEE
92-NC-093

BURGGRAP
92-NC-040

LEE
92-NC-071

ERSTFELD
92-NC-045

ERSTFELD
92-NC-096

D
MEDEBERG
92-NC-124

D
WILKES
92-NC-125

INITIATE
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TITLE (CONT.) INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOT AMT
DUCTILE NANOCRYSTALLINE POLYMER WITH HIGH STRENGTH MONOLITHIC AND COMPOSITE MATERIALS CASE WESTERN RESERVE UNIVERSITY	WELSON S.	11 36 27/11/91 \$350,394	ROSENSTEIN 92-MC-031	
NEW RHEOLOGIC RESINS FOR SUPERIOR CARBON/CARBON COMPOSITES: SYNTHESIS, CHARACTERIZATION, PROCESSING AND HIGH TEMPERATURE ... CASE WESTERN RESERVE UNIVERSITY	SHICA MATSUO	11 36 17/12/91 \$270,163	0 ERSTFELD 92-MC-126	
STRUCTURE/REACTIVITY RELATIONSHIPS IN ELECTROCHEMICAL KINETICS OHIO STATE UNIVERSITY	MCCREERY RICHARD	11 12 22/10/91 \$55,562	WILKES 92-MC-025	
CHARACTERIZATION OF FATIGUE DAMAGE IN METAL MATRIX COMPOSITES AT ELEVATED TEMPERATURE AIR FORCE INSTITUTE OF TECHNOLOGY	MALL S.	11 12 23/11/91 \$24,000	ROSENSTEIN 92-MC-098	
QUANTUM-RESOLVED ENERGY TRANSFER IN STRONGLY COUPLED SYSTEMS: ... ROTATIONAL ENERGY TRANSFER IN MOLECULAR ENGINE AIR FORCE INSTITUTE OF TECHNOLOGY	PERMAN JLEN	11 12 23/11/91 \$25,000	BERMAN 92-MC-099	
THERM AND EXPERIMENTAL CHEMICAL INSTABILITIES STANFORD UNIVERSITY	ROSS JOHN	11 12 21/10/91 \$60,252	BERMAN 92-MC-052	
PHOTOCHEMICAL AND PHOTOPHYSICAL INVESTIGATIONS OF INTERFACES OF NOVEL MATERIALS COLUMBIA UNIVERSITY	TURRO NICHOLAS	11 12 31/10/91 \$43,569	HEDBERG 92-MC-055	
STATE-TO-STATE DYNAMICS OF ION-MOLECULE REACTIONS STANFORD UNIVERSITY	ZAPE RICHARD	11 36 24/11/91 \$110,735	BERMAN 92-MC-073	
APPLICATION OF PATTERN RECOGNITION TECHNIQUES TO PROBLEMS IN ADVANCED POLLUTION MONITORING CLARKSON UNIVERSITY	LAVINE SAPRY	11 36 23/12/91 \$79,193	HEDBERG 92-MC-108	

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TITLE (CONT.) INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGED PROPOSAL #	INITIATE START DATE TOT AMT
NEW THEORETICAL METHODS FOR 2D THERMOCHEMISTRY				
WESLEYAN UNIVERSITY	STODOL	36 13/12/91 144,000	EURGGRAF 92-NC-113	
BIOINFORMATIC SYNTHESIS OF COMPLEXES: A DESIGN BASED ON ORGANIC MACROMOLECULES				
UNIV OF CONNECTICUT	KENNETH	36 12/12/91 140,155	WEDBERG 92-NC-113	
LEIVING CATALYSTS FOR CYCLOPHOSPHINE POLYMERIZATION				
CALIFORNIA INSTITUTE OF TECHNOLOGY	ROBERT	12 17/12/91 147,925	WEDBERG 92-NC-013	
MATERIALS FOR SECOND- AND THIRD-ORDER NONLINEAR OPTICAL APPLICATIONS				
CALIFORNIA INSTITUTE OF TECHNOLOGY	SETH	12 23/12/91 151,270	LEE 92-NC-041	
ION ROTATIONAL DISTRIBUTIONS IN MULTIPHOTON IONIZATION OF MOLECULES				
CALIFORNIA INSTITUTE OF TECHNOLOGY	VINCENT	12 20/10/91 142,297	EURGGRAF 92-NC-042	\$1,500 01/10/91 \$1,500
GRAY 2 CALCULATIONS ON TEMP. PROBABILITIES				
CALIFORNIA INSTITUTE OF TECHNOLOGY	VINCENT	12 22/11/91 11,500	A EURGGRAF 92-NC-092	
FEMTOSECOND LASERS PUMPING OF THE FIRST STEPS IN CHEMICAL DYNAMICS				
CALIFORNIA INSTITUTE OF TECHNOLOGY	AMANO	12 10/12/91 115,652	GERMAN 92-NC-113	
GRAY 2 CALCULATIONS ON THE REACTIVITY AND DECOMPOSITION OF HYDROGEN AZIDES				
JOHNS HOPKINS UNIVERSITY	PAUL	12 22/11/91 11,000	A EURGGRAF 92-NC-095	\$1,000 01/10/91 \$1,000
ELECTRON CONDUCTION IN DISORDERED ORGANIC MATERIALS AT VERY HIGH ELECTRIC FIELDS AND CURRENT DENSITIES				
INDIANA UNIVERSITY	STEPHEN	12 11/10/91 141,522	ERSTFELD 92-NC-007	

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DEPARTMENT OF CHEMICAL AND ATMOSPHERIC SCIENCES

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TITLE (CONT.)
INSTITUTION

STUDIES OF SURFACE REACTIVITY AND WEAR ON THE ATOMIC SCALE IN
SOLID-STATE LUBRICANTS
HARVARD UNIVERSITY

CHARLES

INVESTIGATOR

LIBER

MOLECULAR DYNAMICS STUDIES BY VUV RADIATION

CORNELL UNIVERSITY

ROUSTON

PAUL

STUDENT SUPPORT FOR RESEARCH IN LEVEL POLYMER COMPOSITES FOR
ELECTRONIC PACKAGING
CORNELL UNIVERSITY

CHRISTOPHER

DEB

AB-INITIO MODELING AND FUNDAMENTAL MEASUREMENTS OF BONDING AT
METAL-CERAMIC INTERFACES BY THE ATOMIC FORCE MICROSCOPE
CORNELL UNIVERSITY

RISHI

PAU

MICROBIAL DEGRADATION OF POLYMERS USED IN ELECTRONICS

HARVARD UNIVERSITY

MITCHELL

RALPH

TYPE/MONTHS
RECEIVED
AMOUNT

N 12
17/10/91
\$58,317

N 12
31/10/91
\$23,294

N 36
11/11/91
\$249,699

N 36
04/11/91
\$162,543

I 26
05/11/91
\$123,158

STATUS
PROGRAM MANAGER
PROPOSAL #

SURGOLF
92-MC-011

GERMAN
92-MC-054

HEDEBERG
92-MC-051

ROSENSTEIN
92-MC-077

HEDEBERG
92-MC-080

INITIATE
START DATE
TOT AMT

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TITLE INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOT AMT
COHERENT PROCESSES IN ONE- AND TWO-ELECTRON BEAMS IN STRONG RADIATION FIELDS UNIV OF MARYLAND	THOMAS	N 12 09/10/91 \$102,500	A KELLEY 92-NE-003	\$102,500 01/02/92 \$102,500
(AASERT) PHOTON AVALANCHE GENERATION IN JEM MEDIA UNIV OF MICHIGAN	STEFAN	N 26 09/10/91 \$283,650	SCHLOSSBER 92-NE-003	
ULTRA COLD COLLISION DYNAMICS IN ATOMIC BEAMS UNIV OF MARYLAND	JOHN	N 36 17/10/91 \$403,556	KELLEY 92-NE-015	
(AASERT) INSTABILITIES, HOLE BURNING, AND CAVITY ENHANCEMENT EFFECTS IN SURFACE-EMITTING LASERS UNIV OF ARIZONA	HYATT	N 36 17/10/91 \$313,559	SCHLOSSBER 92-NE-013	
(AASERT) INVESTIGATION OF INDUCED ABERRATIONS ON PERFORMANCE OF OPTICAL SYSTEM UNIV OF ARIZONA	ROBERT	N 36 17/10/91 \$129,127	SCHLOSSBER 92-NE-019	
(AASERT) STUDIES OF COHERENT PROCESSES IN ATOMS IN STRONG RADIATION FIELDS UNIV OF MARYLAND	THOMAS	N 36 25/10/91 \$126,400	KELLEY 92-NE-023	
(AASERT) REQUEST FOR ADDITIONAL GRADUATE STUDENT SUPPORT FOR STUDIES OF PLASMA LOADED BACKWARD WAVE OSCILLATORS UNIV OF MARYLAND	VICTOR	N 36 25/10/91 \$221,343	BARKER 92-NE-029	
(AASERT) ANGULAR STUDIES OF HALF-COLLISIONS UNIV OF MARYLAND	WENDELL	N 36 25/10/91 \$243,736	KELLEY 92-NE-030	
(AASERT) GENERATION OF COHERENT AND INCOHERENT X-RAYS FROM INTENSE SUBPICONSECOND LASER INTERACTION WITH GASES AND UNIV OF MARYLAND	HOWARD	N 36 25/10/91 \$121,079	SCHLOSSBER 92-NE-031	

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DEPARTMENT OF ELECTRONIC AND MATERIAL SCIENCES

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TITLE (CONT.) INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOT AMT
(CAASERT) GRADUATE STUDENT RESEARCH ON HIGH POWER MICROWAVE OSCILLATORS UNIV OF MICHIGAN	SILCENBACH	25/10/91 \$105,251	BARKER 92-NE-032	
(CAASERT) REQUEST FOR GRADUATE STUDENT SUPPORT FOR EXPERIMENTAL AND THEORETICAL STUDIES OF RF-PLASMA INTERACTIONS UNIV OF MARYLAND	WILLIAM CESLER	25/10/91 \$24,534	BARKER 92-NE-033	
(CAASERT) GRADUATE AND UNDERGRADUATE RESEARCH ON BASIC PLASMA WAVES UNIV OF WISCONSIN	SCHARER JOHN	22/10/91 \$159,425	BARKER 92-NE-034	
(CAASERT) MOVIL IN SITU PREPARED MIS STRUCTURES BASED ON COMPOUND AND ELEMENTAL SEMICONDUCTORS UNIV OF ILLINOIS	WOPKOC -LOIS	22/10/91 \$101,752	WITT 92-NE-036	
(CAASERT) HIGH SPEED HETEROSTRUCTURE TRANSISTORS UNIV OF ILLINOIS	WOPKOC -LOIS	22/10/91 \$101,752	WITT 92-NE-041	
(CAASERT) STUDY OF RESONANCE SEMICONDUCTOR DEVICES FOR OPTOELECTRONICS UNIV OF COLORADO	FEUERSTEIN ALAN	22/10/91 \$124,224	DOMRENKE 92-NE-046	
(CAASERT) TEMPORAL OPTICAL SOLUTIONS IN SEMICONDUCTOR WAVEGUIDES USING FEMTOSECOND LASER PULSES UNIV OF ARIZONA	BEYGHAMBARIAN HASSE	20/10/91 \$14,1035	SCHLOSSER 92-NE-049	
(CAASERT) STUDY OF TRAPPING IN XUV LASER RESEARCH RICE UNIVERSITY	YOUNG JAMES	20/10/91 \$103,536	SCHLOSSER 92-NE-053	
(CAASERT) STRUCTURAL CHARACTERIZATION OF Si(1-X)Ge(X) ALLOYS UNIV OF MICHIGAN	BHATTACHARYA PALLAB	21/10/91 \$171,752	WITT 92-NE-057	

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(AASERT) LONG JOSEPHSON JUNCTIONS AND SINGLE ELECTRON DEVICES UNIV OF UTAH	SYMCO	N 36 01/10/91 \$240,927	WEINSTOCK 92-NE-058	
(AASERT) HIGH TC SUPERCONDUCTIVE ELECTRONIC DEVICES UNIV OF WISCONSIN	WOLFGANG	N 36 01/10/91 \$172,670	WEINSTOCK 92-NE-060	
(AASERT) OPTICAL FIBER EVANESCENT WAVE SPECTROSCOPY BROWN UNIVERSITY	NOJSE	N 36 01/10/91 \$145,402	SCHLOSSER 92-NE-061	
(AASERT) FILTER AND WAVEGUIDE VEHICLE UPCONVERSION LASERS UNIV OF ILLINOIS	EDIN	N 36 01/11/91 \$1-5,642	SCHLOSSER 92-NE-062	
(AASERT) GRADUATE STUDENT RESEARCH ON HIGH POWER MICROWAVE OSCILLATORS UNIV OF MICHIGAN	GILGENBACH	N 36 01/11/91 \$105,291	BARKER 92-NE-065	
(AASERT) LIGHT-EMITTING SILICON STRUCTURES UNIV OF TEXAS	KWONG	N 36 01/11/91 \$38,400	POMRENKE 92-NE-068	
(AASERT) LASER ASSISTED GROWTH ON NITRIDE MATERIALS HOWARD UNIVERSITY	MALPERY	N 36 01/11/91 \$70,690	POMRENKE 92-NE-071	
(AASERT) ILL-V MODULATION AND SWITCHING DEVICES FOR OPTICAL SYSTEMS APPLICATIONS UNIV OF MICHIGAN	SINGH	N 36 01/11/91 \$125,932	CRAIG 92-NE-072	
(AASERT) DEVELOPMENT OF IMPROVED COMPUTER GENERATED HOLOGRAMS UNIV OF ARIZONA	GMITRO	N 36 01/11/91 \$123,463	CRAIG 92-NE-078	

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TITLE (TITLE COUNT.) INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOT AMT
(AASERT) RESEARCH ON NUCLEATION OF II-V/III-V SEMICONDUCTOR HETEROJUNCTIONS PURDUE UNIVERSITY	WISUDA	36 01/11/91 \$94,454	PJWRENKE 92-NE-030	
(AASERT) ACTIVE OPTICAL FILMS FOR SPECTRAL PROCESSING UNIV OF MARYLAND	DAGANIS	36 01/11/91 \$129,224	CRAIG 92-NE-091	
(AASERT) EXPERIMENTAL STUDY OF MAGNETIC MULTILAYER FILMS UNIV OF MINNESOTA	DAHLBERG	36 04/11/91 \$97,500	WEINSTOCK 92-NE-089	
(AASERT) APPLICATIONS OF QUANTUM I/F NOISE IN HIGH TECHNOLOGY DEVICES AND ULTRASHELL STRUCTURES UNIV OF MISSOURI	MANDEL	36 04/11/91 \$164,460	WITT 92-NE-091	
(AASERT) EXPTAXY ALUMINIDE FILMS UNIV OF MINNESOTA	COMEN	36 04/11/91 \$203,790	PJWRENKE 92-NE-093	
(AASERT) HIGH RESOLUTION OPTICAL PROBES OF EXCITED STATES UNIV OF VIRGINIA	GALLAGHER	36 04/11/91 \$96,202	KELLEY 92-NE-095	
(AASERT) LOW-TEMPERATURE-SPONTANEOUS GASE AND THE STUDY OF HIGH-FIELD, HIGH-FREQUENCY TRANSPORT UNIV OF MICHIGAN	MOUPDU	36 04/11/91 \$230,372	WITT 92-NE-098	
(AASERT) GRADUATE PROGRAM IN HIGH INTENSITY LASER SCIENCE UNIV OF ILLINOIS	PHODES	36 04/11/91 \$122,127	SCHLOSSER 92-NE-099	
(AASERT) ULTRAFAST SUPERCONDUCTING ELECTRONICS UNIV OF ROCHESTER	SOBCLEWSKI	36 04/11/91 \$129,000	WEINSTOCK 92-NE-102	

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TITLE (CONT.) INSTITUTION	INVESTIGATION	PI	TYPE/CONTHS RECEIVED INQUIRY	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOT AMT
(ASSET) SILICON-GERMANIUM-CARBON ALLIAGE FOR SEMICONDUCTORIC DEVICES UNIV OF DELAWARE	COLLOIDAL	JAMES	36 04/11/91 \$143,352	PMWRE/KE 92-NE-103	
(ASSET) LARGE SIGNAL CHARACTERIZATION AND MODELING OF IMPROVED HETEROJUNCTION BIPOLAR TRANSISTORS LEHIGH UNIVERSITY	HYMAN	JAMES	36 05/11/91 \$127,415	PMWRE/KE 92-NE-107	
(ASSET) PLANAR JFET OSCILLATOR-MULTIPLIER UNIV OF COLORADO	POPOVIC	ZOYA	36 05/11/91 \$149,115	WITT 92-NE-112	
MOLECULAR INTERCONNECTS FOR OPTICAL NEURAL NETWORKS UNIV OF ARIZONA	SMITH	1PT4JR	25 05/11/91 \$223,039	CRAIG 92-NE-116	
WORKSHOP ON RECONFIGURABLE FREE-SPACE OPTICAL INTERCONNECTS UNIV OF COLORADO	NEEF	JOHN	26 13/11/91 \$6,500	A CRAIG 92-NE-120	\$6,500 01/03/92 \$6,500
BASIC RESEARCH IN ELECTRONICS (JSEP) UNIV OF TEXAS	POWERS	EDWARD	25 13/11/91 \$1,443,000	A WITT 92-NE-125	\$460,059 01/04/92 \$2,347,582
WORKSHOP ON WIDE BANDGAP NITRIDES UNIV OF ILLINOIS	WOPKOC	HADIS	12 19/11/91 \$3,000	A WITT 92-NE-126	\$3,000 01/03/92 \$3,000
(EPSCOR) INSTRUMENTAL DEVELOPMENTS FOR NMR IMAGING OF MATERIALS UNIV OF ARKANSAS	KOMCROSKI	RICHARD	36 04/12/91 \$304,132	WEINSTOCK 92-NE-139	
STUDIES OF A COHERENT SYNCHRON SOURCE OPERATING AT THE SECOND AND THIRD HARMONIC OF THE FUNDAMENTAL FREQUENCY UNIV OF MARYLAND	GRANATSTEIN	VICTOR	12 04/12/91 \$45,000	A BARKER 92-NE-144	\$45,000 15/03/92 \$45,000

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TITLE (CONT.) INSTITUTION	INVESTIGATOR	STATUS PROGRAM MANAGER PROPOSAL	INITIATE START DATE TOT AMT
MICROWAVE INTERACTION WITH PLASMA UNIV OF TENNESSEE	ALBYER	MARKER 92-NE-146	
(EPSCOR) QUANTUM /1/ NOISE IN HIGH-TECHNOLOGY DEVICES, MATERIALS AND ULTRASMALL STRUCTURES UNIV OF MISSOURI	HANDEL	WITT 92-NE-153	
TIGHT-BINDING MOLECULAR DYNAMICS SIMULATION OF SEMICONDUCTOR DEFECT AND SURFACE STATE PHENOMENA UNIV OF KENTUCKY	WENON	POWRENE 92-NE-157	
EXCITONIC NONLINEAR OPTICAL PROPERTIES IN QUANTUM WIRES UNIV OF ALABAMA	POWRENE	POWRENE 92-NE-159	
LABORATORY MEASUREMENTS OF HIGH-RESOLUTION PHOTOABSORPTION CROSS SECTIONS OF EUV AND VUV ELECTRONIC TRANSITIONS IN VC(2) STARK WELLSLEY COLLEGE	GLENN	KELLEY 92-NE-160	
(AASERT) ADAPTIVE PHASED-ARRAY RADAR SIGNAL PROCESSING USING PHOTOREACTIVE VOLUME HOLOGRAMS UNIV OF COLORADO	WAGNER	CRAIG 92-NE-164	
(AASERT) ABSOLUTE CALIBRATION OF UV/VISIBLE/IR SPECTROMETER UNIV OF ARIZONA	UME	SCHLOSSER 92-NE-166	
(AASERT) INVESTIGATION OF MILLIMETER & SUBMILLIMETER-WAVE OSCILLATOR ARRAYS UNIV OF MICHIGAN	LIU	WITT 92-NE-171	
(AASERT) SURFACE EMITTING, MULTI-WAVELENGTH LASER ARRAY STUDY UNIV OF COLORADO	JON	CRAIG 92-NE-172	

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TITLE (CONT.) INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOT AMT
(AASERT) SPECTROSCOPY OF THE ELECTRO-INDUCED LAYER MATERIALS AND STRUCTURES UNIV OF ILLINOIS	J	36 24/12/91 \$172,530	CPAIG 92-VE-173	
PARALLEL IRRADIATION AND ELECTRONIC CHARACTERIZATION OF MANUFACTURED AND VAPOR-DEPOSITED METAL SURFACES UNIV OF COLORADO	KEENE	36 24/12/91 \$222,303	WEINSTOCK 92-VE-174	
(AASERT) STUDY OF ION-AVULSMA INTERACTION FOR WAVE SCATTERING, ABSORPTION AND GENERATION POLYTECHNIC UNIV. - WEBER RESEARCH INST.	KUD	36 15/10/91 \$270,192	BARKER 92-NE-012	\$250,079 01/02/92 \$250,079
ION CLUSTERS AND EXOTIC PLASMA STATES STEVENS INSTITUTE OF TECHNOLOGY	VITTORE	36 22/12/91 \$250,079	BARKER 92-VE-134	
(AASERT) PHYSICS OF SELF-FIELD COMBUSTED PLASMAS STEVENS INSTITUTE OF TECHNOLOGY	MARCO	36 11/12/91 \$221,508	BARKER 92-VE-147	
(AASERT) PHOTOAC SIGNAL PROCESSING FOR PHASED ARRAY RADAR SYSTEMS STEVENS INSTITUTE OF TECHNOLOGY	WUO	36 23/12/91 \$165,340	CRAIG 92-VE-152	
(AASERT) MODE CONTROL IN FREE ELECTRON SOURCES OF MICROWAVE AND MILLIMETER RADIATION UNIV OF SOUTHERN CALIFORNIA	MCCURRY	36 17/10/91 \$174,226	BARKER 92-VE-017	
(AASERT) INVESTIGATIONS OF THE GROWTH OF HETEROJUNCTIONS & MULTIPLE QUANTUM WELL STRUCTURES USING CRYSTALLINE ORGANIC SEMICONDUCTORS UNIV OF SOUTHERN CALIFORNIA	FORREST	36 29/10/91 \$244,958	POHRENNKE 92-NE-044	
(AASERT) OPTICALLY POWERED, OPTOELECTRONIC SPATIAL LIGHT MODULATORS UNIV OF SOUTHERN CALIFORNIA	FORREST	36 30/10/91 \$133,801	CRAIG 92-NE-055	

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TITLE
(CONT.)
INSTITUTION

(ASBEST) SPATIALLY/SPECTRALLY RESOLVED CATHODOLUMINESCENCE STUDIES
OF STRAINED SEMICONDUCTOR STRUCTURES FROM 2-D PLANE PERIODICITY
UNIV OF SOUTHERN CALIFORNIA

QUANTUM TUNNELING IN "MAGNETIZATION"

CITY COLLEGE - CITY &

SAVACHIK

AGE GROWTH OF GALIARSES

NORTH CAROLINA 1ST STATE UNIVERSITY

IVER

PHOTON HOLES-SURVIVAL AS A MEANS FOR ACHIEVING FOUR DIMENSIONAL
OPTICAL STORAGE MEMORY
UNIV OF CALIFORNIA

RENTICPIS

(ASBEST) OPTICAL FOUR-WAVE MIXING IN LASER CIRCUITS FOR LOGIC
OPERATIONS
UNIV OF CALIFORNIA

YEH

RESEARCH IN "HOT-CAVITY SURFACE" EMISSION LASER DEVICES

UNIV OF CALIFORNIA

ANG

(ASBEST) MESOPITXY: A "UNIVERSAL" ROUTE TO ORIENTED MATERIALS

UNIV OF CALIFORNIA

MEISER

(ASBEST) MILLIMETER-WAVE NETWORK ANALYSIS AND SPECTROSCOPY WITH
SOLID-STATE DEVICES
UNIV OF CALIFORNIA

PODWELL

(ASBEST) JSEPT AUGMENTATION PROPOSAL: NEURAL NETWORK CIRCUIT AND
HIGH SPEED LASER
UNIV OF CALIFORNIA

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TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOT AMT
1 36 11/11/91 \$121,114	POMRENKE 92-NE-037	
1 36 11/10/91 \$420,350	A WEINSTOCK 92-NE-013	\$199,932 01/03/92 \$620,950
1 36 12/10/91 \$1,361,925	POMRENKE 92-NE-002	
1 36 13/10/91 \$526,000	CRAIG 92-NE-006	
1 36 13/10/91 \$435,602	CRAIG 92-NE-010	
1 36 17/10/91 \$590,361	CRAIG 92-NE-014	
1 36 25/10/91 \$213,351	WITT 92-NE-025	
1 36 25/10/91 \$208,042	SCHLOSSER 92-NE-028	
1 36 23/10/91 \$275,020	WITT 92-NE-040	

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TITLE
TITLE (CONT.)
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(AASERT) ARRAYS OF EFFICIENT ENERGY-PORT MODULATORS FOR OPTICAL
PROCESSING
UNIV OF CALIFORNIA

ARRAY

(AASERT) HIGH POWER, HIGH EFFICIENCY DEVICES AND METHODS
UNIV OF CALIFORNIA

WESHA

(AASERT) ON-CHIP INTEGRATION OF VIDEO AND SE

UNIV OF CALIFORNIA

DYNE

(AASERT) A SMART OPTOELECTRONIC INTERCONNECTION NETWORK FOR
DISTRIBUTED COMPUTING APPLICATIONS
UNIV OF CALIFORNIA

ESNER

(AASERT) WAFER SCALE UNION

UNIV OF CALIFORNIA

PETERMAN

(AASERT) ULTRA SENSITIVE DETECTION CREATED BY DIAMOND ANVIL CELL
PRESSURES

UNIV OF CALIFORNIA

SHELTON

(AASERT) VERTICALLY-ACCESSED OPTOELECTRONIC INTEGRATED CIRCUIT
DEVICE DEVELOPMENT AT 1.06 UM

UNIV OF CALIFORNIA

SADIK

(AASERT) NOVEL HIGH PERFORMANCE CYCLO DEVICES: SCIENCE AND
ENGINEERING RESEARCH TRAINING PROGRAM

UNIV OF CALIFORNIA

NEVILLE

(AASERT) HIGH HARMONIC GYROMAGNETRON AMPLIFIERS: SCIENCE AND
ENGINEERING RESEARCH TRAINING PROGRAM

UNIV OF CALIFORNIA

NEVILLE

TYPE/MONTHS
RECEIVED
AMOUNT

4 36
23/10/91
\$114,141

CRAIG
92-NE-046

4 36
23/10/91
\$143,034

WITT
92-NE-047

4 36
21/10/91
\$117,175

WEINSTOCK
92-NE-059

4 36
01/11/91
\$87,311

CRAIG
92-NE-059

4 36
01/11/91
\$255,729

SCHLOSSER
92-NE-076

4 36
01/11/91
\$123,613

WEINSTOCK
92-NE-077

4 36
01/11/91
\$101,224

CRAIG
92-NE-079

4 36
01/11/91
\$158,741

BARKER
92-NE-082

4 36
01/11/91
\$173,994

BARKER
92-NE-083

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UNIVERSITY OF CALIFORNIA	26 04/11/91 \$230,465	BARKER 92-NE-097	
UNIVERSITY OF CALIFORNIA	36 04/11/91 \$247,513	WITT 92-NE-105	
UNIVERSITY OF CALIFORNIA	26 03/11/91 \$243,175	CRAIG 92-NE-110	
UNIVERSITY OF CALIFORNIA	36 03/11/91 \$163,337	CRAIG 92-NE-111	
UNIVERSITY OF CALIFORNIA	26 03/11/91 \$1,034,397	CRAIG 92-NE-115	
UNIVERSITY OF CALIFORNIA	26 02/12/91 \$234,733	KELLEY 92-NE-136	
UNIVERSITY OF CALIFORNIA	26 23/12/91 \$24,895	WITT 92-NE-168	
UNIVERSITY OF CALIFORNIA	36 23/12/91 \$174,942	BARKER 92-NE-159	
UNIVERSITY OF CALIFORNIA	26 23/12/91 \$119,107	CRAIG 92-NE-170	

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(AASERT) NAUOSCAL MATERIALS - ELECTRIC FIELD EFFECTS UNIV OF CALIFORNIA, SAN DIEGO	MELLYAN	WEINSTOCK 92-NE-045	\$49,730 01/12/91 \$49,730
(AASERT) ORGANIC/INORGANIC HYPERJUNCTIONS FOR LOW-COST HIGH TEMPERATURE CR. FETTS SANTA BARBARA TECHNOLOGY	JONES	A POMRENKE 92-NE-009	\$49,730 01/12/91 \$49,730
DEFECTS AND ION IMPLANTATION IN SILICA			
RENSSELAER POLYTECHNIC INSTITUTE	MACROBNE	POMRENKE 92-NE-132	\$49,730 01/12/91 \$49,730
IMAGING AND COLLECTING OF SPATIALLY STRUCTURED ARRAYS OF ULTRASOUND PULSES FOR ULTRASONIC INFORMATION RATE NOTICES RENSSELAER POLYTECHNIC INSTITUTE	RICHARD	SCHLOSSER 92-NE-133	\$49,730 01/12/91 \$49,730
(AASERT) ELECTRONIC TRANSPORT IN SEMICONDUCTOR NANOSTRUCTURES UNIV OF VICTORIA CANE	PODOL	POMRENKE 92-NE-042	\$49,730 01/12/91 \$49,730
(AASERT) NUCLEAR AND PLASMA PHYSICS WITH ANTINEUTRONS PENNSYLVANIA STATE UNIVERSITY	SMITH	KELLEY 92-NE-007	\$49,730 01/12/91 \$49,730
(AASERT) ELECTRICAL AND THERMAL STABILITY OF ATOMICALLY SHARP SILICON EMITTERS AT HIGH ELECTRIC FIELDS PENNSYLVANIA STATE UNIVERSITY	CULTER	BARKER 92-NE-156	\$49,730 01/12/91 \$49,730
(AASERT) STUDY OF ELECTRON PHYSICS IN CROSSED FIELD AMPLIFIERS NORTHEASTERN UNIVERSITY	CHAN	BARKER 92-NE-037	\$49,730 01/12/91 \$49,730
(AASERT) AUGMENTATION FUNDING FOR STUDY OF FERRITE MATERIALS UNIV OF MASSACHUSETTS	DAVID	WEINSTOCK 92-NE-148	\$49,730 01/12/91 \$49,730

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ORGANIZATION OF 1992 ELECTRONIC SCIENCE TOPICAL MEETINGS OPTICAL SOCIETY OF AMERICA	JAPUS	SCHLOSSER 92-NE-155	Y 36 13/12/91 \$170,000
INVESTIGATIONS OF BAND GAP STRUCTURES/INTERVALLEY CARRIER DYNAMICS IN SI-GES, GaAs-AlGaAs/HP SEMICONDUCTORS BY PHOTOSECOND KINETICS CITY UNIVERSITY OF NEW YORK	POBBER	POBBERKE 92-NE-119	Y 36 13/11/91 \$50,000
STUDIES OF SI-GE ALLYSES AS INTERFACES WITH DRYSEN 91 POROUS FILM FORMATION CITY UNIVERSITY OF NEW YORK	FEDERICK	POBBERKE 92-NE-135	Y 36 13/12/91 \$50,000
NONLINEAR OPTICAL PHENOMENA IN RANDOM MEDIA CITY UNIVERSITY OF NEW YORK	ROBERT	SCHLOSSER 92-NE-140	Y 36 14/12/91 \$50,000
(ASSET) UV REFLECTIVITY AND CATHODOLUMINESCENCE OF GaN, AlN, AND SiN-3C UNIV OF PITTSBURGH	ADAMS	POBBERKE 92-NE-052	Y 36 13/10/91 \$93,500
(ASSET) OPTICAL COHERENCE AND BANDWIDTH ALLOCATION TECHNIQUES FOR MULTIPROCESSOR INTERCONNECTIONS UNIV OF PITTSBURGH	STEVE	CRAIG 92-NE-086	Y 36 14/11/91 \$17,151
RECONFIGURABLE OPTOELECTRONIC MULTIPROCESSOR INTERCONNECTION STRUCTURES UNIV OF PITTSBURGH	DEVALD	CRAIG 92-NE-122	Y 36 13/11/91 \$55,590
(ASSET) POLYGRAPHIC STUDY OF ADVANCED WORCESTER POLYTECHNIC INSTITUTE	RYSCARD	SCHLOSSER 92-NE-157	Y 36 13/12/91 \$30,000
USING I/O TO IMPROVE VLSI SYSTEM QUALITY AND RELIABILITY MCMC CENTER FOR MICROELECTRONICS	GLENN	MITT 92-NE-137	Y 50 12/12/91 \$754,745

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LARGE ARRAY SOLID MAGNETRONIC FOR USE TRANSMIT TECHNOLOGIES	PAULSEN	24 08/11/91 \$250,000	A WEINSTOCK 92-NE-123	\$188,000 15/02/92 \$250,000
THE PHYSICS OF SPIN-POLARIZED STATES PRINCETON UNIVERSITY	CATES, JR	24 08/11/91 \$412,290	A KELLEY 92-NE-113	\$298,519 01/03/92 \$612,280
(ASBEST) STUDENT TRAINING IN MOLECULAR OPTICS AND OPTICAL DEVICE FABRICATION CAMBRIDGE UNIVERSITY (CAMBRIDGE LAB)	BOARLEY	36 03/11/91 \$132,257	CRAIG 92-NE-117	
(ASBEST) STUDENT SUPPORT FOR PHOTOELECTRONICS RESEARCH COLORADO STATE UNIVERSITY	ROBINSON	26 01/11/91 \$149,000	POMREYKE 92-NE-057	
(ASBEST) OPTICAL BEHAVIOR OF QUANTUM CONFINED PARTICLES IN ELECTRIC HOST OKLAHOMA STATE UNIVERSITY	KUDRER	36 01/11/91 \$127,225	POMREYKE 92-NE-100	
THE DEVELOPMENT OF NOVEL OPTICAL MATERIALS VIA QUANTUM DOT-TOPOLOGY JOL-GEL HOSTS OKLAHOMA STATE UNIVERSITY	KUDRER	36 08/11/91 \$234,405	POMREYKE 92-NE-114	
(ESPSCG) OPTICAL GRATINGS AND MOLE-FORMING IN GLASS OKLAHOMA STATE UNIVERSITY	POWELL	26 04/12/91 \$175,990	CRAIG 92-NE-139	
(ESPSCG) OPTICAL BEHAVIOR OF QUANTUM CONFINED PARTICLES IN ELECTRIC HOSTS OKLAHOMA STATE UNIVERSITY	KUDRER	36 03/12/91 \$127,754	POMREYKE 92-NE-145	
(ASBEST) THIRD ORDER NONLINEARITIES IN SECOND HARMONIC ACTIVE MEDIA UNIV OF CENTRAL FLORIDA	STEGEMAN	36 03/11/91 \$143,974	CRAIG 92-NE-050	

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(CAASERT) INTEGRATED OPTIC ELECTRONIC CIRCUITS AND LOGIC GATE ARRAYS FOR PARALLEL OPTICAL SWITCHING AND COMPUTING ARCHITECTURES UNIV OF NEW MEXICO	JULIAN	N 26 01/11/91 \$93,125	CRAIG 92-NE-034	
(CAASERT) THERMAL LIMITATIONS IN TWO-DIMENSIONAL INTEGRATION AND BROAD-AREA SCALING OF HIGH-POWER VERTICAL-CAVITY SURFACE-EMITTING LASERS UNIV OF NEW MEXICO	STEVEN	N 26 01/11/91 \$93,913	SCHLOSSER 92-NE-095	
(CAASERT) LASER COOLING OF NEUTRAL ATOMS STATE UNIVERSITY OF NEW YORK	METCALF	N 26 02/10/91 \$139,000	KELLEY 92-NE-051	
(CAASERT) TUNNELING SPECTROSCOPY OF ULTRASLOW METALLIC GRAINS AND CLUSTERS STATE UNIVERSITY OF NEW YORK	KONSTANTIN	N 26 04/11/91 \$154,320	WEINSTOCK 92-NE-104	
(CAASERT) PREPARATION AND STUDY OF QUANTUM SUPERCONDUCTOR- SEMICONDUCTOR STRUCTURES STATE UNIVERSITY OF NEW YORK	MICHAEL	N 26 05/11/91 \$142,980	WEINSTOCK 92-NE-106	
(CAASERT) STUDENT SUPPORT FOR THE STUDY OF HIGH POWER SOURCES STATE UNIVERSITY OF NEW YORK	JAMES	N 26 11/12/91 \$142,950	WEINSTOCK 92-NE-149	
1992 GORDON CONFERENCE ON POINT DEFECTS, LINE DEFECTS, AND INTERFACES IN SEMICONDUCTORS GORDON RESEARCH CONFERENCES INC	ALEXANDER	N 12 08/10/91 \$3,000	WITT 92-NE-039	
GORDON CONFERENCE ON MULTIPHOTON PROCESSES COLBY-SAWYER COLLEGE, NEW HAMPSHIRE GORDON RESEARCH CONFERENCES INC	ALEXANDER	N 12 02/12/91 \$10,000	SCHLOSSER 92-NE-131	
TIME DOMAIN SPECTRAL HOLE-BURNING STORAGE ISHI ALMAZEN RESEARCH CENTER	MICHAEL	N 09 08/10/91 \$196,150	CRAIG 92-NE-004	

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EHRLICH

DANIEL

LASER MICROCHEMICAL PROCESSING INSTRUMENT

EHRLICH ASSOCIATES

EHRLICH

DANIEL

CAASERTD HIGH POWER MICROWAVES

TEXAS TECH UNIVERSITY

KRISTIANSEN

MAGNE

CAASERTD ANALYTICAL METHODS OF SOLUTIONS TO WAVE EQUATIONS FOR
NONLINEAR OPTICAL MATERIALS
KENT STATE UNIVERSITY

MOROI

DAVID

CAASERTD NEW APPROACHES TO ACCURACY ENHANCEMENT FOR OPTICAL
PROCESSORS
TEXAS TECH UNIVERSITY

WALKUP

JC4N

CAASERTD THE PARALLELIZATION OF FINITE-ELEMENT/FINITE DIFFERENCE/
RAY CODES FOR SCATTERING FROM CAVITIES WITH COMPLEX TERMINATIONS
CHIO STATE UNIVERSITY

LEE

ROBERT

A COMPUTATIONAL SEARCH AMONG SEMICONDUCTOR CRYSTALS FOR SUPERIOR
MATERIALS FOR SECOND HARMONIC GENERATION
CHIO STATE UNIVERSITY

LEVINE

ZACHARY

DEVELOPMENT AND APPLICATION OF BULK AND NEAR-SURFACE LASER
DIAGNOSTICS FOR PLASMA PROCESSING
CHIO STATE UNIVERSITY

MILLER

TERRY

NEW NON-PERTURBATIVE PROCESSES FROM QED

IOWA STATE UNIVERSITY PRESS

VARV

JAMES

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N 24 02/12/91 \$91,000	A SCHLOSSER 92-NE-130	
N 24 04/12/91 \$499,300	SCHLOSSER 92-NE-143	
N 36 22/10/91 \$133,174	BARKER 92-NE-021	
N 36 25/10/91 \$94,275	CRAIG 92-NE-024	
N 36 23/10/91 \$223,404	CRAIG 92-NE-038	
N 36 12/12/91 \$71,735	CRAIG 92-NE-152	
N 36 17/12/91 \$451,391	POMRENKE 92-NE-154	
N 36 20/12/91 \$269,319	KELLEY 92-NE-161	
N 36 26/11/91 \$416,663	KELLEY 92-NE-128	

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VINCENTI ANNUAL CONFERENCE ON THE PHYSICS AND CHEMISTRY OF SEMICONDUCTOR INTERFACES (CSCI-1P) DR. THOMAS J. MATSON RESEARCH CENTER	ADDALL	N 03 04/12/91 \$13,500	A POMRENKE 92-NE-142	\$13,500 15/01/92 \$13,500
(CAASERT) TRANSPORT PROCESSES IN PLASMAS RUTGERS - THE STATE UNIVERSITY	LECHWITZ	N 36 03/10/91 \$247,879	BARKER 92-NE-005	
(CAASERT) ELECTRICAL AND OPTICAL PROPERTIES OF EPITAXIAL GASES, ALGAS, Si, SiGe/Si SUPERLATTICE AIR FORCE INSTITUTE OF TECHNOLOGY	YEO	N 36 13/11/91 \$99,434	POMRENKE 92-NE-124	
(CAASERT) EXPERIMENTS FOR PLASMA CLOAKING RESEARCH MASSACHUSETTS INSTITUTE OF TECHNOLOGY	LEE	N 36 02/10/91 \$294,157	BARKER 92-NE-001	
(CAASERT) STUDY OF QUANTUM MECHANICAL EFFECTS IN BASED-EFFECT-CONTROLLED SEMICONDUCTOR NANOSTRUCTURES MASSACHUSETTS INSTITUTE OF TECHNOLOGY	ANTONIADIS	N 36 17/10/91 \$196,045	MITT 92-NE-016	
OPTICAL METROLOGY OF MAGNETICALLY TRAPPED HYDROGEN MASSACHUSETTS INSTITUTE OF TECHNOLOGY	KLEPPNER	N 12 25/10/91 \$135,000	KELLEY 92-NE-026	\$135,000 01/02/92 \$135,000
(CAASERT) LASER ABLATED MULTILAYER STRUCTURES EMPLOYING THE HIGH-TC MATERIAL BKKO MASSACHUSETTS INSTITUTE OF TECHNOLOGY	TEORON	N 36 28/10/91 \$186,897	WEINSTOCK 92-NE-043	
(CAASERT) OPTICAL FREQUENCY METROLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY	KLEPPNER	N 36 30/10/91 \$195,460	KELLEY 92-NE-054	
STUDY OF IMPROVED CRITICAL CURRENTS AND MECHANICAL PROPERTIES IN THE YBCO-CUO ₂ SUPERCONDUCTOR WITH SILVER OR Y2BaCuO3 DISPERSIONS COLUMBIA UNIVERSITY	SIU-WAI	N 24 15/10/91 \$39,999	A WEINSTOCK 92-NE-011	\$19,999 01/03/92 \$39,998

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CAASERT) HIGH SPEED ELECTRO-OPTICAL MODULATOR FABRICATED WITH LASER PROCESSING COLUMBIA UNIVERSITY	OSGOOD, JR	N 36 01/11/91 \$197,470	SCHLOSSER 92-NE-064	
CAASERT) SUPERCONDUCTIVITY OF THE FULLERENES AND SCANNING TUNNELING MICROSCOPY OF NOVEL SUPERCONDUCTORS STANFORD UNIVERSITY	SEASLEY	N 36 04/11/91 \$309,152	WEINSTOCK 92-NE-038	
CAASERT) LASER COOLING AND TRAPPING OF NEUTRAL PARTICLES STANFORD UNIVERSITY	CHU	N 36 04/11/91 \$179,299	KELLEY 92-NE-096	
CAASERT) EXPERIMENTAL STUDIES OF THE IRREVERSIBILITY LINE IN HIGH-T _C SUPERCONDUCTORS AND MODEL SYSTEMS STANFORD UNIVERSITY	KAF 'ULNIK	N 36 04/11/91 \$154,576	WEINSTOCK 92-NE-101	
CAASERT) GENERATION AND APPLICATION OF INTENSE TERAHERTZ EM RADIATION FROM PHOTOVOLTAIC DEVICES COLUMBIA UNIVERSITY	AUSTON	N 36 05/11/91 \$195,579	SCHLOSSER 92-NE-108	
A PROGRAM OF RESEARCH IN LASER OSCILLATOR PHYSICS AND LASER DEVICE PERFORMANCE STANFORD UNIVERSITY	SIEGMAN	N 36 04/12/91 \$749,165	SCHLOSSER 92-NE-141	
STUDIES OF IN-VACUUM PASSIVATED GALLIUM ARSENIDE SURFACES WESLEYAN UNIVERSITY	DOERING	N 36 20/12/91 \$235,889	POMRENKE 92-NE-158	
CAASERT) INDIUM AND ANTIMONY BASED III-V MICROSTRUCTURES WITH NOVEL ELECTRONIC PROPERTIES CALIFORNIA INSTITUTE OF TECHNOLOGY	MCGILL	N 36 01/11/91 \$263,771	POMRENKE 92-NE-066	
CAASERT) ADDITIONAL STUDIES OF EXTREMELY HIGH FREQUENCY ELECTRO- OPTIC MODULATORS AND THEIR APPLICATIONS CALIFORNIA INSTITUTE OF TECHNOLOGY	BRIDGES	N 36 23/12/91 \$147,363	CRAIG 92-NE-163	

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CAASERT) RESEARCH ON NONLINEAR X-RAY OPTICS JOHNS HOPKINS UNIVERSITY	KAPLAN ALEXANDER	N 36 01/11/91 \$103,946	SCHLOSSEER 92-NE-063	
CAASERT) VISIBLE LIGHT MODULATION BASED ON SEMICONDUCTOR HETEROSTRUCTURES JOHNS HOPKINS UNIVERSITY	KHUPGIN JACOB	N 36 01/11/91 \$113,690	CRAIG 92-NE-070	
CAASERT) SPATIAL LIGHT MODULATORS WITH ARBITRARY QUANTUM WELL PROFILES -ARIZONA STATE UNIVERSITY	MARACAS GEORGE	N 36 01/11/91 \$230,668	POMRENKE 92-NE-075	
POLYMER OPTICAL INTERCONNECTIONS FOR SILICON MULTI-CHIP WAFER AREA NETWORKS WEST VIRGINIA UNIVERSITY	HORNIK LAWRENCE	N 36 12/11/91 \$429,882	CRAIG 92-NE-121	
MATERIALS FOR HIGH-POWER LASER APPLICATIONS: POINT DEFECTS IN KTP CRYSTALS WEST VIRGINIA UNIVERSITY	LARRY LARRY	N 36 26/11/91 \$473,539	POMRENKE 92-NE-129	
CAASERT) HIGH POWER MICROWAVE AND ELECTRON ACCELERATOR STUDIES: AUGMENTATION AWARD CORNELL UNIVERSITY	MATCH JOHN	N 36 23/10/91 \$219,250	PARKER 92-NE-035	
CAASERT) OPTICAL SPECTROSCOPES OF CLEAN AND MODIFIED GERMANIUM SURFACES CORNELL UNIVERSITY	WILSON WILSON	N 34 01/11/91 \$193,438	POMRENKE 92-NE-073	
CAASERT) DIAGNOSTICS OF SELF-EMITTING STRUCTURES USING NEAR FIELD TECHNOLOGY CORNELL UNIVERSITY	ISAACSON MICHAEL	N 36 01/11/91 \$161,145	POMRENKE 92-NE-074	
CAASERT) STUDY OF CARRIER DYNAMICS IN STRAINED-LAYER QUANTUM WELL LASERS VIA ULTRA-SHORT OPTICAL PULSE PROBING CORNELL UNIVERSITY	EASTMAN LESTER	N 36 04/11/91 \$125,801	WITT 92-NE-090	

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(ASSET) HIGH POWER MICROWAVE AND ELECTRON ACCELERATOR STUDIES:
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(ASSET) STUDIES OF MILLIMETER WAVE OPTICAL SOURCE AND SMALL RING
 LASERS ON SILICON
 CORNELL UNIVERSITY

INVESTIGATOR

MATCH

JOHN

BALLANTYNE

JOSPH

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N 26 05/11/91 \$193,312	BARKER 92-NE-109	
N 36 12/12/91 \$223,613	CRAIG 92-NE-151	

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RESEARCH TRAINING OF THE EFFECTS OF TOXIC SUBSTANCES ON THE LUNGS UNIV OF ARIZONA	WITMEN	N 36 01/10/91 \$124,345	CERVENY 92-NL-001	
DIRECT AND LARGE SIMULATION OF GEOPHYSICAL FLUIDS UNIV OF COLORADO	SIRCHSEN	N 36 01/10/91 \$185,684	STOBIE 92-NL-002	
AIRBORNE WIND/RADIOMETRIC STUDY OF CIRRUS CLOUD EFFECTS ON INFRAR FOR PROPAGATION AND TARGETING SENSOR PERFORMANCE SRI INTERNATIONAL	UTHE	N 36 02/10/91 \$492,655	STOBIE 92-NL-007	
REPEATED MEASURES OF COGNITIVE TESTS: IMPLICATIONS FOR THEORY ESSEX CORPORATION	KENNEDY	N 36 07/10/91 \$300,553	FREGLY 92-NL-010	
THE DEVELOPMENT OF A SITUATION ASSESSMENT/EMULSION-WATCHING THEORE TICAL APPROACH TO DECISION MAKING IN STRESSFUL SITUATIONS MONEYWELL INC	JOHNS	N 24 07/10/91 \$299,509	FREGLY 92-NL-011	
EXPLORATION OF TIMING RELATIONSHIPS IN NEURAL ACTIVITY UNIV OF MARYLAND	JUDITH	N 36 07/10/91 \$429,727	HADDAD 92-NL-013	
NUMERICAL MODELING AND PARAMETERIZATION OF GRAVITY WAVE PROCESSES AND EFFECTS IN THE ATMOSPHERE UNIV OF COLORADO	DAVE	N 24 03/10/91 \$170,392	STOBIE 92-NL-015	\$84,082 01/01/92 \$170,982
TWELFTH ANNUAL CARMEL CONFERENCE UNIV OF ILLINOIS	EMANUEL	N 12 09/10/91 \$14,354	FREGLY 92-NL-016	\$14,954 01/01/92 \$14,954
THEORETICAL ASSESSMENT OF RETINAL DAMAGE MECHANISMS FROM 5 NANJSEC PULSES TO 10 PICOSECONDS UNIV OF MISSOURI	PETER	N 12 11/10/91 \$79,964	CERVENY 92-NL-022	

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SPATIAL AND TEMPORAL INTERPOLATION IN VISUAL OBJECT PERCEPTION SWANMORE COLLEGE	KELLMAN PHILIP	N 48 17/10/91 \$409,927	TANGNEY 92-VL-025	
DETERMINATION OF MULTIPLE SOUND SOURCES LOYOLA UNIVERSITY	YOST WILLIAM	N 36 13/10/91 \$393,536	TANGNEY 92-NL-026	
COMPARING PERFORMANCE IN IMPLICIT MEMORY TESTS RICE UNIVERSITY	ROEDIGER, III HENRY	N 60 13/10/91 \$580,399	FREGLY 92-NL-027	
CIRCUIT ANALYSIS AND COMPUTATIONAL MODEL OF DREPPANT CONDITIONING IN HAPLYSIA YALE UNIVERSITY	CAREW THOMAS	N 36 13/10/91 \$139,090	HADDAD 92-NL-028	
THE MECHANISMS AND EFFECTS OF THE PLANT ACTIVATION OF CHEMICALS IN THE ENVIRONMENT UNIV OF ILLINOIS	PLEWA MICHAEL	N 36 22/12/91 \$115,191	CERVENY 92-NL-032	
COMPARATIVE TOXICITY OF HALOGENATED HYDROCARBONS: MOLECULAR ASPEC TS UNIV OF SURREY	GIESSEN S	N 12 25/10/91 \$60,573	A CERVENY 92-VL-039	\$60,573 01/01/92 \$60,573
PROCESSES INVOLVED IN THE INTEGRATION OF PICTURES AND DISCOURSE UNIV OF WISCONSIN	GLENSERG ARTHUR	N 36 23/10/91 \$204,311	FREGLY 92-NL-043	
ROLE OF SULFATION IN POLYAROMATIC HYDROCARBON TOXICITY UNIV OF ALABAMA	ALANY CHARLES	N 36 23/10/91 \$310,397	D CERVENY 92-VL-048	
DECONTAMINATION OF SOIL BY BIOREMEDIATION TECHNIQUE: BIODEGRADATION OF P-PENTACHLOROPHENOL, NAPHTHALENE AND CRESOTE UNIV OF MISSOURI	PURI RAVI	N 36 23/10/91 \$332,377	D CERVENY 92-NL-049	

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INVESTIGATOR

STEINMAN

ROBERT

CHARACTERIZATION OF PROPAGATION AND COMMUNICATION PROPERTIES OF THE
NATURAL AND ARTIFICIALLY DISTURBED ATMOSPHERE
UNIV OF LOWELL

REINISCH

EDUC

CALCULATION OF SELF-BROADENED LINE WIDTHS AND DATABASE MAINTENANCE
FOR HITRAN
UNIV OF LOWELL

GAMACHE

ROBERT

ATMOSPHERIC IONIZATION BY SOLAR PARTICLES DETECTED BY NITRATE MEAS-
UREMENTS IN ANTARCTIC SNOW
UNIV OF KANSAS

ORRICHMEER

GISELA

CONTROL OF CIRCADIAN BEHAVIOR BY LIGHT AND TRANSPLANTED SUPRACHIAS-
MATIC NUCLEI
UNIV OF VIRGINIA

WENAKER

MICHAEL

BASIC MECHANISMS AND IMPLICATIONS OF NON-EMOTIC ENTRAINMENT OF CIR-
CADIAN RHYTHMICITY
UNIV OF CHICAGO

CAUTER

EVE

STATISTICAL ANALYSIS OF THE USAF HIGH LATITUDE METEOR SCATTER TEST
RAW DATA
UNIV OF LOWELL

REINISCH

EDUC

THEORETICAL MOLECULAR SPECTROSCOPY APPLIED TO MOLECULAR SPECIES OF
THE TERRESTRIAL ATMOSPHERE
UNIV OF LOWELL

GAMACHE

ROBERT

DYNAMICS AND ELECTRODYNAMICS OF THE UPPER ATMOSPHERE

BOSTON UNIVERSITY

FORRES

JEFFREY

TYPE/MONTHS
RECEIVED
AMOUNT

1 36
11/11/91
\$329,912

1 13
11/10/91
\$200,000

1 12
11/10/91
\$30,000

1 36
01/11/91
\$73,306

1 26
01/11/91
\$156,157

1 36
05/11/91
\$361,901

1 36
06/11/91
\$105,069

1 36
05/11/91
\$105,068

1 36
05/11/91
\$210,576

STATUS
PROGRAM MANAGER
PROPOSAL #

TANGNEY
92-NL-037

D
STOBIE
92-NL-059

D
STOBIE
92-NL-060

RAOOSKI
92-NL-063

HAGDAD
92-NL-065

HAGDAD
92-NL-071

STOBIE
92-NL-075

STOBIE
92-NL-076

STOBIE
92-NL-077

INITIATE
START DATE
TOT AMT.

REPORT DATE 01/01/92

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TITLE STATUS (CONT.) INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOT. AMT.
ORIGINS OF MICROSCOPIC-SCALE ELECTRIC FIELDS RADIATED FROM HUMIDITY STORAS UNIV OF ALABAMA	EMEN	" 36 12/11/91 \$130,392	STOBIE 92-NL-092	
MOLECULAR PROCESSES AND BIOELECTRICITY APPARATUS IN ECOLOGICAL OPTIMIZ- ZATION OF BIOELECTRICITY UNIV OF TENNESSEE	SAYLER	" 36 12/11/91 \$111,759	CERVENY 92-NL-097	
NEURAL MODELS OF VISUAL PERCEPTION BOSTON UNIVERSITY	STEPHEN	" 36 12/11/91 \$193,323	TANGNEY 92-NL-093	
VISUAL DETERMINANTS OF OPEN-LOOP ADJUSTING UNIV OF HOUSTON	MARGLO	" 24 12/11/91 \$177,124	TANGNEY 92-NL-093	
ATTENTIONAL ACTIVATION AND PERCEPTUAL PROCESSING BOMONA COLLEGE	WILLIAM	" 36 12/11/91 \$178,259	FREGLY 92-NL-094	
RELATIONSHIP BETWEEN LIPID COMPOSITION, TROPIC STATUS, AND TOXIC- ITY OF LIPOPHILIC COMPOUNDS TO PHYTOPLANKTON UNIV OF MICHIGAN	LEON	" 36 12/11/91 \$147,129	CERVENY 92-NL-097	
ERRORS IN SKILLS PERFORMANCE UNIV OF UTAH	CAN	" 24 12/11/91 \$139,334	FREGLY 92-NL-098	
APPLICATION OF DIFFERENTIAL INVERSION TO CMSP MICROWAVE SCUNDER DA TA BOSTON UNIVERSITY	ROBERT	" 24 12/11/91 \$173,774	STOBIE 92-NL-100	
APPLICATION OF DIFFERENTIAL INVERSION TO CMSP MICROWAVE SCUNDER DA TA BOSTON UNIVERSITY	ROBERT	" 24 12/11/91 \$173,774	STOBIE 92-NL-101	

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TITLE TITLE (CONT.) INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOT AMT
MAGNETOSPHERIC STRUCTURE AND DYNAMICS: ASPECT SUPPLEMENT BOSTON UNIVERSITY	HUGHES	" 36 09/12/91 \$210,574	PADOSKI 92-NL-110	
IMPROVED MODELS OF THE MAGNETOSPHERIC LOW LATITUDE BOUNDARY LAYER DARTMOUTH COLLEGE	FINNEGAN	" 36 09/12/91 \$104,673	PADOSKI 92-NL-111	
A GRADUATE STUDENT TRAINING PROGRAM ON LOWER THERMOSPHERIC TIDES D VERMONT COLLEGE UNIV OF MICHIGAN	COLLEEN	" 26 07/12/91 \$111,476	STOBIE 92-NL-117	
A SELF-ORGANIZING NEURAL NETWORK ARCHITECTURE FOR AUDITORY AND SPE ECH PERCEPTION, ACQUISITION AND TEMPORAL PREDICTION BOSTON UNIVERSITY	COHEN	" 36 09/12/91 \$433,002	TANGNEY 92-NL-126	\$165,436 01/05/92 \$483,436
CRUSTAL STRUCTURE OF THE SOUTHWESTERN UNITED STATES UNIV OF TEXAS, EL PASO	KELLER	" 36 06/11/91 \$110,047	STOBIE 92-NL-081	
SPECTRAL SHAPE AS ACOUSTIC CUES FOR SPEECH PERCEPTION OLD DOMINION UNIV FISH FOUNDATION INC.	SAMORIAN	" 24 03/12/91 \$353,452	TANGNEY 92-NL-114	
ALTERATION OF MACROPHAGE CHEMOTACTIC RESPONSE BY OXYGEN AMERICAN REGISTRY OF PATHOLOGY	MEHM	" 12 03/12/91 \$13,596	CERVENY 92-NL-107	\$33,180 15/02/92 \$33,180
EFFECT OF SARCOPHTES AND HYPEROXIA ON LIPID PEROXIDATION IN HYPO XIC NEURONS AMERICAN REGISTRY OF PATHOLOGY	MEHM	" 12 03/12/91 \$13,596	CERVENY 92-NL-108	\$33,180 15/02/92 \$33,180
INTEREST, METACOGNITION, AND THE DETECTION OF INCONSISTENCIES CITY COLLEGE - CUNY	TORIAS	" 12 03/10/91 \$25,000	FREGLY 92-NL-014	

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TITLE (CONT.) INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM-MANAGER PROPOSAL #	INITIATE START DATE TOT AMT
OBSERVATIONAL CASE STUDIES AND DIAGNOSTIC ANALYSES OF LONG-LIVED, LARGE-AMPLITUDE INERTIA-GRAVITY WAVES STATE UNIVERSITY OF NEW YORK	BOGART	N 36 12/11/91 \$537,473	STOBIE 92-NL-004	
THE EARTH'S LOW ENERGY GEOTON ENVIRONMENT AND VERTICAL TRANSPORT OF MATERIAL IN THE EQUATORIAL ATMOSPHERE UNIV OF ARKANSAS/PINE BLUFF	WIAH	N 36 17/12/91 \$660,329	STOBIE 92-NL-115	
ASSESSMENT OF SORT ERRORS DUE TO SOLAR FLARES: INVESTIGATIONS BAS ED UPON SRI-1, EXOS-C, AND WDA MISSIOM'S UNIV OF ARKANSAS/PINE BLUFF	WIAH	N 36 17/12/91 \$660,329	STOBIE 92-NL-116	
AUGMENTATION OF RESEARCH ON COGNITIVE CONTROL WASHINGTON STATE UNIVERSITY	WHITNEY	N 36 30/10/91 \$102,633	FRAGLY 92-NL-050	
INTERACTION OF OXIDANTS WITH UNSATURATED PHOSPHATIDYLCHOLINE COMPO NENTS OF PULMONARY SURFACTANT: INDICATORS OF THE INFLAMMATORY RES. CALIFORNIA STATE UNIVERSITY, FULLERTON	FINLAYSON-PITTS	N 40 23/10/91 \$590,537	CERVENY 92-NL-045	
THE RECOVERY AND RECOGNITION OF THREE DIMENSIONAL SHAPES: FORMAL AND EMPIRICAL STUDIES UNIV OF CALIFORNIA	HOFFMAN	N 36 13/10/91 \$570,975	TANGNEY 92-NL-030	
SPATIO-TEMPORAL MASKING IN HUMAN VISION AND ITS APPLICATION TO IMA GE CODING UNIV OF CALIFORNIA	KLEIN	N 36 13/11/91 \$179,292	TANGNEY 92-NL-091	
SYNAPTIC PLASTICITY AND MEMORY FORMATION UNIV OF CALIFORNIA	LYNCH	R 48 15/12/91 \$1,351,143	HADDAD 92-NL-121	
CRUST AND UPPER MANTLE STRUCTURE BENEATH THE IRIS/IDA SEISMIC STAT IONS IN EURASIA UNIV OF CALIFORNIA, SAN DIEGO	MINSTER	N 36 17/12/91 \$81,323	STOBIE 92-NL-118	

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TITLE (CONT.) INSTITUTION	INVESTIGATOR	TYPE/AMOUNTS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOT AMT.
EFFECTS OF THE RESUSPENSION OF SEDIMENTS ON THE RATE AND DEGRADATION OF DDT AND OTHER ORGANIC CONTAMINANTS UNIV OF RHODE ISLAND	LATIMER	N 36 12/11/91 \$207,559	CERVENY 92-NL-385	
A THEORETICAL AND NUMERICAL INVESTIGATION OF THE ROLE OF INERTIAL-GRAVITY WAVES IN EXPLOSIVE CYCLOGENESIS NORTH CAROLINA STATE UNIVERSITY	LIN	N 36 02/10/91 \$345,552	STOBIE 92-NL-075	
NONLINEAR ANALYSIS OF VISUAL CORTICAL NEURONS UNIV OF MASS-MEDICAL CENTER	JACOBSON	R 36 01/11/91 \$733,618	TANGNEY 92-NL-058	
IN VIVO MEASUREMENT IN PARABOLIC OF CEREAL ENERGY AND BRAIN PH DURING EXPOSURE TO HYPERBARIC OXYGEN CYCLOPHOSPHORUS-31 LOCALIZED... HARVARD MEDICAL CENTER	WARTHOPE	N 10 27/11/91 \$5,004	CERVENY 92-NL-039	\$5,004 01/12/91 \$5,004
COMPUTER MODELING STUDIES OF THE INFLUENCED CELESTIAL BACKGROUNDS RENNESLAER POLYTECHNIC INSTITUTE	LEUNG	N 36 01/11/91 \$264,093	RADOSKI 92-NL-062	
CELLULAR ANALYSIS OF THE STARTLE REFLEX YALE UNIVERSITY SCHOOL OF MEDICINE	DAVIS	R 36 23/10/91 \$293,016	MAOAO 92-NL-041	
MULTIPLE INPUT-MULTIPLE OUTPUT SACCADIC EYE MOVEMENT NEUROSENSORY CONTROL NORTH DAKOTA STATE UNIVERSITY	ENDERLE	N 36 07/10/91 \$157,548	TANGNEY 92-NL-012	
MICROWAVE-INDUCED CYTOTOXICITY AND DNA DAMAGE IN YEAST UNDER OXIDATIVE STRESS PENNSYLVANIA STATE UNIVERSITY	GRAETIER	N 24 20/12/91 \$151,875	MADDAO 92-NL-124	
GRADUATE STUDENT SUPPORT FOR OPTICAL REMOTE SENSING OF ATMOSPHERIC WINDS OREGON GRADUATE CENTER FOR STUDY & RESEARCH	MOLMES	N 36 29/10/91 \$143,476	STOBIE 92-NL-046	

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TITLE (CONT.) INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOT AMT
PULMONARY TOXICITY DUE TO CHEMISED ORGANIC SOLVENT EXPOSURES NORTHEASTERN UNIVERSITY	SCHWARTZ ROBERT	36 12/10/91 \$256,449	CERVENY 92-NL-044	
HEPATIC TOXICITY OF PERFLUOROCARBOXYLIC ACIDS WRIGHT STATE UNIVERSITY	PEC MICHAEL	36 12/11/91 \$93,325	CERVENY 92-NL-095	
MARINE BOUNDARY-LAYER PARAMETERIZATIONS FOR LARGE-SCALE MODELS: A DATA ANALYSIS AND MODEL VERIFICATION OREGON STATE UNIVERSITY	MAHRT LARRY	36 12/12/91 \$112,257	STOBIE 92-NL-119	
BIOLOGICAL AND THEORETICAL STUDIES OF ADAPTIVE NETWORKS: THE COND ITIONED RESPONSES UNIV OF MASSACHUSETTS	WONKE JOHN	36 12/10/91 \$95,529	HADDAD 92-NL-033	
ADAPTIVE NETWORKS DYNAMICS UNIV OF MASSACHUSETTS	WONKE JOHN	36 10/10/91 \$340,375	HADDAD 92-NL-054	
BIOLOGICAL AND THEORETICAL STUDIES OF ADAPTIVE NETWORKS: THE COND ITIONED RESPONSES UNIV OF MASSACHUSETTS	WONKE JOHN	36 12/11/91 \$92,793	HADDAD 92-NL-096	
ECOLOGICAL TREATMENT OF SOIL, SURFACE AND GROUNDWATER CONTAMINATED WITH PETROLEUM PRODUCTS UNIV OF MASSACHUSETTS	GUNNER HARV	36 12/11/91 \$300,000	CERVENY 92-NL-102	
DETERMINATION OF THE SOL STELLAR CONTENT OF YOUNG HEAVY STAR CLU STERS UNIV OF MASSACHUSETTS	SKRUTSKIE MICHAEL	36 12/12/91 \$153,356	RADOSKI 92-NL-112	
CHARACTERIZATION OF THE "M RECEPTOR" IN NON-MAMMALIAN SPECIES ACROSS MOLE OCEANOGRAPHIC INSTITUTE	MAHNI MARK	36 12/11/91 \$105,757	CERVENY 92-NL-088	

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TITLE (CONT.) INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOT AMT
BIOREMEDIATION OF NITROAROMATIC CONTAMINANTS UNIVERSITY OF IDAHO	CRAWFORD RONALD	Y 36 12/12/91 \$145,220	CORNETTE 92-NL-112	
NEW CHARACTERIZATION OF POLYMERS FORMED BY DIAZOTIZING MIXTURES OF LUMINOUS AND 3-AMINO-L-TYROSINE SOUTHEASTERN KALAHOMAST U-PHYS SOC OPT	WRIGHT JOHN	R 12 10/10/91 \$44,556	CERVENY 92-NL-012	
CEREBELLAR CIRCUIT MECHANISMS WHICH ACCOMPANY COORDINATED LIMB TRA JECTORY PATTERNS IN THE RAT: USE OF A MODEL OF SPONTANEOUS CHANGES HANNEMANN UNIVERSITY	SMITH SHEPHERD	Y 68 16/10/91 \$517,652	HADDAD 92-NL-024	
IMPACT OF THE NORADRENERGIC LC SYSTEM ON ITS CORTICAL & SUBCORTICA L TARGETS: CELLULAR SUBSTRATES OF VIGILANCE HANNEMANN UNIVERSITY	JONES GARY	Y 36 05/11/91 \$252,333	HADDAD 92-NL-073	
GRADUATE TRAINING IN ENVIRONMENTAL TOXICOLOGY CREIGHTON UNIVERSITY	STOWS SIDNEY	Y 36 03/12/91 \$192,746	CORNETTE 92-NL-106	
THE ROLE OF GAP-JUNCTIONAL COMMUNICATION IN CHEMICAL TOXICOLOGY MICHIGAN STATE UNIVERSITY	TROSKO JAMES	Y 36 21/10/91 \$505,205	CERVENY 92-NL-031	
WILD MAMMALIAN MONITORS FOR ASSESSING IMPACTS OF PETROCHEMICALS ON TERRESTRIAL ECOSYSTEMS OKLAHOMA STATE UNIVERSITY	LOCHMILLER ROBERT	Y 36 25/10/91 \$135,106	CERVENY 92-NL-038	
REFINEMENTS IN CLOUD MICROPHYSICS AND LOGS IN SUPPORT OF NUMERICAL CLOUD PREDICTION COLORADO STATE UNIVERSITY	COTTON WILLIAM	Y 36 06/11/91 \$256,695	STOBIE 92-NL-079	
VISUAL DISCRIMINATION AND CATEGORICAL PERCEPTION: THE SPEED OF CA TEGORICAL AND NON-CATEGORICAL DECISIONS MOUNT SINAI SCHOOL OF MEDICINE	HOLLNER IVAN	Y 36 20/12/91 \$607,558	FREGLY 92-NL-125	

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FOR FORCE EFFECTS OF SCIENTIFIC RESEARCH
INSTITUTE OF LIFE SCIENCES

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TITLE (CONT.) INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOT AMT.
ANALYSIS AND SIMULATION OF ADAPTIVE NEURAL CIRCUITS UNIV OF TEXAS HEALTH SCIENCE CTR	BYRNE JOHN	N 26 20/10/91 \$137,930	MADDAC 92-NL-055	
ROLE OF ASCORBIC ACID METABOLISM IN REGULATING LASER-INDUCED PHOTO OXIDATIVE DAMAGE IN THE EYE UNIV OF TEXAS HEALTH SCIENCE CTR	GLICKMAN RANDOLPH	N 36 01/11/91 \$50,477	CERVENY 92-NL-067	
THE ROLE OF HYPERBAPIC OXYGEN AS A PROPHYLAXIS FOR RADIATION ENTER ITIS UNIV OF TEXAS HEALTH SCIENCE CTR	FELDMER JOHN	N 12 22/12/91 \$15,775	A CERVENY 92-NL-104	\$15,775 15/02/92 \$15,775
AN EXPERIMENTAL AND THEORETICAL STUDY OF CHARGE TRANSFER BETWEEN ICE SURFACES AND RELATED STUDIES UNIV OF WASHINGTON	BAKER MARCIA	N 35 01/10/91 \$313,560	STOBIE 92-NL-003	
PATTERN RECOGNITION TECHNIQUES FOR THE EVALUATION OF TOXICANT IMPA CTS AND RISKS TO MULTISPECIES SYSTEMS WESTERN WASHINGTON UNIVERSITY	LANDIS WAYNE	N 36 30/10/91 \$179,166	CERVENY 92-NL-051	
RECEPTIVE FIELD NEURAL NETWORK ANALYSIS OF COLOR CONSTANCY AND COL OR CONTRAST UNIV OF PENNSYLVANIA	SUCHSBAUM JEREMY	N 36 30/10/91 \$122,577	TANGNEY 92-NL-052	
SPATIALLY ORGANIZED CONCEPTUAL INFORMATION TEXAS CHRISTIAN UNIVERSITY	DANSEREAU DONALD	N 36 30/10/91 \$225,529	FREGLY 92-NL-056	
COMPARATIVE EFFECTS OF AIR FORCE FUEL COMPONENTS ON NORMAL HUMAN E PIGMENTAL KERATINOCYTES & SYNTHETIC HUMAN SKIN EQUIVALENTS-MECH.... STATE UNIVERSITY OF NEW YORK	VAN BUSKIRK ROBERT	N 24 03/12/91 \$141,215	CERVENY 92-NL-105	
BIOTRANSFORMATION OF TOXIC METALS BY BACTERIA MEHARRY MEDICAL COLLEGE	BLAKE II ROBERT	R 36 11/10/91 \$493,043	CERVENY 92-NL-020	

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TITLE (CONT.) INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOT AMT
SUBLETHAL TOXICANT CONCENTRATION EFFECTS ON CULTURED CELLS MENAPHY MEDICAL COLLEGE	WOTOK JAMES	N 34 13/10/91 \$204,128	CERVENY 92-NL-039	
GRADUATE ASSISTANTSHIP TO SUPPLEMENT AIR FORCE GRANT MENAPHY MEDICAL COLLEGE	BLAKE II ROBERT	N 36 12/11/91 \$123,913	CERVENY 92-NL-092	
VISUAL INFORMATION PROCESSING WITH SEQUENTIALLY PRESENTED DATA FROM LONG ISLAND UNIVERSITY	HATCH ETHEL	N 36 13/10/91 \$167,333	TANGNEY 92-NL-029	
VALIDATION OF FIRST-PRINCIPLES MODEL CALCULATIONS OF THE UPPER ATM OSPHERE UTAH STATE UNIVERSITY	NICKWAR VINCENT	N 36 11/10/91 \$235,129	STOBIE 92-NL-021	
MECHANISMS OF VOLATILE CONTAMINANT AND CELL INTERACTIONS WITH SOIL PARTICLES AND THEIR ROLE IN REMEDIATION WASHINGTON UNIVERSITY	PROKOP ALES	N 43 20/10/91 \$440,303	CERVENY 92-NL-053	
SCALING KINETIC TOXICOKINETICS UPON FISH AND MAMMALS OHIO STATE UNIVERSITY	HAYTON WILLIAM	N 34 01/11/91 \$122,209	CERVENY 92-NL-066	
PARALLEL FINITE ELEMENT SEMI-LAGRANGIAN SCHEME FOR SHALLOW WATER EQ NATIONS NAVAL POST GRADUATE SCHOOL	NETA BENY	N 24 11/10/91 \$123,296	STOBIE 92-NL-023	
MOLECULAR TOXICOLOGY OF CHROMATIN SAN FRANCISCO STATE UNIVERSITY	KUN ERNEST	N 36 10/10/91 \$500,000	CERVENY 92-NL-019	
APPLYING HISTOGRAM, CONTRAST ANALYSIS TO TEXTURE PERCEPTION RUTGERS - THE STATE UNIVERSITY	CHURB CHARLES	N 36 05/11/91 \$404,465	TANGNEY 92-NL-074	

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 AIR FORCE OFFICE OF SCIENTIFIC RESEARCH
 DEPARTMENT OF DEFENSE

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TITLE (CONT.) INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOT AMT.
WILSON HILL PACAR STUDIES OF PLASMA WAVES AND TURBULENCE MASSACHUSETTS INSTITUTE OF TECHNOLOGY	JOHN FOSTER	35 21/10/91 \$99,975	STOBIE 92-NL-058	
NEUROTRANSMITTERS AND PHOSPHOLIPID METABOLISM MASSACHUSETTS INSTITUTE OF TECHNOLOGY	JURTVAN RICHARD	12 05/11/91 \$43,540	HADDAD 92-NL-072	
IMPLICATIONS OF THE SMALL SCALE STRUCTURE IN THE QUIET SUN FOR THE SOLAR WIND FLOW SMITHSONIAN INSTITUTION	HABBA SHADIA	35 21/11/91 \$130,999	RADOSKI 92-NL-064	
GLOBAL STUDIES OF THE ATMOSPHERE AND COSMOSPHERE WITH ACTIVE SPACE- BASED RADIO TECHNIQUES STANFORD UNIVERSITY	TYLER 3	24 10/10/91 \$481,520	STOBIE 92-NL-017	
MELANIN'S ROLE IN SON SENSITIVITY IN VITRO WESLEYAN UNIVERSITY	LYNCH 3	25 23/10/91 \$297,335	HADDAD 92-NL-040	
GRADUATE SUPPORT FOR RESEARCH IN INDUCED POSTERIOR REPRESENTATIONS STANFORD UNIVERSITY	TVERSKY BARBARA	35 24/10/91 \$265,506	FREGLY 92-NL-042	
EMOTIONAL FACTORS IN PERCEPTION AND MEMORY FOR FACES NEW YORK UNIVERSITY	SNODGRASS JOAN	36 01/11/91 \$147,402	FREGLY 92-NL-061	
HIGHER ORDER MECHANISMS OF COLOR VISION NEW YORK UNIVERSITY	KRAUSKOPF JOHN	36 02/12/91 \$214,750	TANSNEY 92-NL-103	
REGULARITIES IN RECOGNITION MEMORY NEW YORK UNIVERSITY	GLANZER MURRAY	24 30/12/91 \$109,121	FREGLY 92-NL-122	

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TITLE (CONT.) INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOT AMT
BIOPHYSICAL AND STOCHASTIC MECHANISMS IN SYNAPTIC TRANSMISSION RESEARCH NEW YORK UNIVERSITY MEDICAL CENTER	CLAYTON	36 12/12/91 \$225,557	MADDAD 92-NL-123	
RESEARCH TRAINING OF GRADUATE STUDENTS IN A DUAL-RELAXATION TIME OROLOGICAL RACAS PROJECT NEW MEXICO INSTITUTE OF TECHNOLOGY	KATHARINE PAUL	36 17/12/91 \$225,139	STOBIE 92-NL-120	
NONLINEAR DYNAMICS APPLIED TO ATMOSPHERIC PREDICTION FLORIDA STATE UNIVERSITY	DEEGER RICHARD	36 12/10/91 \$510,000	STOBIE 92-NL-006	
STUDIES OF THE EFFECT OF IMAGE DEGRADATION AND RECONSTRUCTION ON VI SUAL PERCEPTION ARIZONA STATE UNIVERSITY	JYAL WILLIAM	36 23/10/91 \$513,397	A TANGNEY 92-NL-037	\$150,000 01/03/92 \$450,000
DYNAMICAL AND STATISTICAL WEATHER PREDICTION USING EMPIRICAL ORTHO GONAL FUNCTIONS FLORIDA STATE UNIVERSITY	DEEGER RICHARD	36 19/10/91 \$193,549	STOBIE 92-NL-047	
ORIGINS OF SOLAR ACTIVITY JOHNS HOPKINS UNIVERSITY	RUST DAVID	36 05/11/91 \$1,734,000	RACOSKI 92-NL-069	
GRADUATE STUDENT TRAINING IN CHROMATOLOGY TEXAS A AND M UNIVERSITY	CASSONE VINCENT	36 05/11/91 \$133,075	MADDAD 92-NL-070	
4-HYDROXYALKANALS: QUANTITATIVE DETECTION BY GAS CHROMATOGRAPHY-WAS S. SPECTROMETRY AND INTERACTION WITH PROTEINS MONTANA STATE UNIVERSITY	VAN KUIJK FREDERICK J.G.M.	36 14/11/91 \$149,245	CERVENY 92-NL-095	
GRADUATE STUDENT INVOLVEMENT IN THE FORT PROQUEST CORNELL UNIVERSITY	KELLEY MICHAEL	36 04/11/91 \$147,222	STOBIE 92-NL-079	

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TITLE
TITLE (CONT.)
INSTITUTION

TRAINING OF STUDENTS IN ATMOSPHERIC RADAR DETECTION TECHNIQUES
CLEMSON UNIVERSITY

INVESTIGATOR
LARSEN

A PROPOSAL TO SUPPLY AN RE RECEIVER FOR THE STATE SATELLITE AND RA
ASP DIAGNOSTICS
CORNELL UNIVERSITY

INVESTIGATOR
WELLEY

RESEARCH TRAINING FOR UNDERSTANDING THE RATE OF ENVIRONMENTAL POLL
UTION
CORNELL UNIVERSITY

INVESTIGATOR
WADSWORTH

GRADUATE FELLOWSHIPS AND RESEARCH TRAINING IN RADIOASTROPHYSICS AND RAD
AR APPLICATIONS
CLEMSON UNIVERSITY

INVESTIGATOR
LUNDA

TYPE/MONTHS
RECEIVED
AMOUNT

" 36
05/11/91
\$11,500

" 36
07/11/91
\$11,500

" 36
12/11/91
\$11,777

" 36
03/12/91
\$11,097

STATUS
PROGRAM MANAGER
PROPOSAL #

STOBIE
92-NL-080

STOBIE
92-NL-083

CERVENY
92-NL-084

STOBIE
92-NL-109

INITIATE
START DATE
TOT AMT

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PAGE 1

TITLE (CONT.) INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOT. AMT.
CAASERTD TOWARD AUTOMATED CANCER DIAGNOSIS: AN INTERACTIVE SYSTEM FOR CELL PICTURE EXTRACTION UNIV OF WISCONSIN	MANGASARIAN CLIVE	Y 36 17/10/91 \$125,135	GLASSMAN 92-NM-011	
CHAOS DUE TO SUB-BODY MOTION IN SPACECRAFT ATTITUDE MANEUVERS UNIV OF WISCONSIN	KAMMER DANIEL	Y 36 17/10/91 \$252,750	NACHMAN 92-NM-014	
HILBERT SPACE METHODS AND BOUNDARY CONDITIONS IN HYDRODYNAMICS UNIV OF IOWA	KNOER GEORGE	Y 36 21/10/91 \$444,921	NACHMAN 92-NM-016	
CAASERTD SOLUTIONS AND COMPUTATION UNIV OF COLORADO	ASLOWITZ MARK	Y 36 22/10/91 \$94,532	NACHMAN 92-NM-018	
CAASERTD DEVELOPMENT & ANALYSIS OF DIRECTION FINDING AND STATISTICAL SIGNAL PROCESSING METHODS YALE UNIVERSITY	NEHORAI ARYE	Y 36 22/10/91 \$280,577	SJOGREN 92-NM-022	
MULTIPARAMETER INTERACTIONS AND APPLICATIONS UNIV OF MISSOURI	CHICCHE CARMEN	Y 10 24/10/91 \$15,000	A LUPOL 92-NM-027	\$15,000 01/11/91 \$15,000
CEPSCORD A RESEARCH PROGRAM ON THE ASYMPTOTIC DESCRIPTION OF DISPERSIVE PULSE UNIV OF VERMONT	CUSHSTON KURT	Y 36 25/10/91 \$173,593	NACHMAN 92-NM-034	
MULTISCALE AND MULTISCALE INFORMATION REPRESENTATION, EXTRACTION AND FUSION UNIV OF MINNESOTA	TEWARIK ANNE	Y 12 25/10/91 \$29,999	A SJOGREN 92-NM-037	\$29,999 01/02/92 \$29,999
CAASERTD THEORETICAL ISSUES IN THIN-FILM GROWTH: STERIC EFFECTS IN DIFFUSION AND ADSORPTION UNIV OF MARYLAND	EINSTEIN THEODORE	Y 36 25/10/91 \$207,348	NACHMAN 92-NM-038	

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DIRECTORATE OF MATHEMATICAL & INFORMATION SCIENCES

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TITLE (CONT.) INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOT AMT.
AUTOMATIC TRANSLATION INTO SPECIALIZED REPRESENTATIONS UNIV OF MICHIGAN	VAN BAILEY	36 23/10/91 \$26,377	AKSMAN 92-NM-042	
ASSET - PHYSICISTIC METHOD FOR GLOBAL OPTIMIZATION IN CONTINUOUS VARIABLES UNIV OF CALIFORNIA	GLOVED	35 20/10/91 \$107,742	GLASSMAN 92-NM-050	
ASSET - DISTRIBUTED AND COLLABORATIVE GEOMETRIC DESIGN PURDUE UNIVERSITY	RAJAJ	26 23/10/91 \$120,442	GLASSMAN 92-NM-052	
ASSET - GRAPHICS INTERFACES & SENSOR-ACTUATOR EXTENSIONS FOR THE PROCESS TRENDS YALE UNIVERSITY	GELERUTER	25 23/10/91 \$244,302	LUPO 92-NM-053	
CASSETT OPTICAL PULSE COLLAPSE PHENOMENA IN SCALAR MEDIA UNIV OF ARIZONA	MCLOVEY	25 23/10/91 \$122,722	NACHMAN 92-NM-060	
CASSETT ENABLING PARALLEL MACHINING IN THE RAPID PROTOTYPING OF MECHANICAL PARTS UNIV OF MICHIGAN	CUTTA	36 20/10/91 \$127,654	GLASSMAN 92-NM-062	
ASSET - VOICE NUCLEATION AND GROWTH IN NONLINEAR SOLIDS UNIV OF VIRGINIA	MORGAN	25 20/10/91 \$123,443	NACHMAN 92-NM-065	
ASSET - PATTERNS AND TURBULENCE IN OPTICS AND FLUIDS UNIV OF ARIZONA	NEWELL	36 20/10/91 \$122,793	NACHMAN 92-NM-066	
CASSETT TOPICS IN OPTICAL SCHEDULING AND RESOURCE ALLOCATION IN DATA NETWORKS UNIV OF MICHIGAN	TEVERETZIS	26 21/10/91 \$122,680	JACOBS 92-NM-068	

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DEPARTMENT OF MATHEMATICAL & INFORMATION SCIENCES

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TITLE (CONT.) INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOT AMT
CAASERT) REACTIVE EXECUTION IN A COMMAND, PLANNING & CONTROL ENVIRONMENT UNIV OF EDINBURGH	TATE	36 31/10/91 \$93,432	LUPU 92-NM-070	
CAASERT) RESEARCH IN QUALITATIVE REAL-TIME PROBLEM SOLVING UNIV OF CHICAGO	HAYMOUD	36 04/11/91 \$111,550	WAKSMAN 92-NM-072	
STATISTICAL LEARNING THEORY AND ALGORITHMS YALE UNIVERSITY	MOODY	12 04/11/91 \$55,605	SUDJARTH 92-NM-074	\$55,605 15/02/92 \$55,605
CAASERT) VORTEX CORE DYNAMICS, COMPLEX HELICAL WAVE DECOMPOSITION, ORGANIZATION OF TIME-SCALE & OTHER RELATED THEORETICAL STUDIES UNIV OF HOUSTON	HUSSAIN	36 04/11/91 \$123,734	NACHMAN 92-NM-077	
CAASERT) NEURAL NETWORKS FOR OBJECT RECOGNITION USING SCALE SPACE CONCEPTS YALE UNIVERSITY	SINDI	36 04/11/91 \$64,572	SUDJARTH 92-NM-079	
CAASERT) STUDY IN SCATTERING AND INVERSE SCATTERING UNIV OF DELAWARE	ANGELL	36 04/11/91 \$91,009	JACOBS 92-NM-080	
CAASERT) COMPUTER VISION METHODS BASED ON SPACTAL FEATURES AND DISCRETE FUZZY AGGREGATION NETWORKS UNIV OF MISSOURI	KRISHNAPURAM	36 04/11/91 \$113,360	WAKSMAN 92-NM-082	
CAASERT) ASPECTS OF UNSTEADY THREE-DIMENSIONAL BOUNDARY-LAYER SEPARATION UNIV OF MICHIGAN	WALKER	36 04/11/91 \$200,489	NACHMAN 92-NM-087	
CAASERT) GENERATION OF FAST, NEARLY OPTIMAL LEARNING TRAJECTORIES FOR SEMIAUTONOMOUS DYNAMIC CONTROL SYSTEMS UNIV OF MICHIGAN	GUEZ	36 04/11/91 \$177,121	SUDJARTH 92-NM-091	

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PROPOSAL STATUS REPORT (1 OCT 91 - 31 DEC 91)
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TITLE TITLE (CONT.) INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOT AMT
(ASBEST) CONNECTIONIST MODELS FOR INTELLIGENT COMPUTATIONS UNIV OF MARYLAND	CHEN HSING HEN	N 26 03/11/91 \$157,407	SUDDARTH 92-NM-094	
(ASBEST) MOVING TARGET APPROXIMATE DATABASE UPDATES AND QUERIES UNIV OF ILLINOIS	LIU JANE W. S.	N 36 03/11/91 \$125,399	WAKSMAN 92-NM-101	
(ASBEST) TURBULENT LIQUID FLAMES - AN ANALOGUE FOR TURBULENT COMBUSTION UNIV OF ILLINOIS	BUCKMASTER JOHN	N 26 03/11/91 \$132,643	NACHMAN 92-NM-102	
(ASBEST) TASK REDUCTION IN SOFTWARE SPECIFICATIONS UNIV OF MARYLAND	ZELKOWITZ MARVIN	N 36 12/11/91 \$100,342	LUPU 92-NM-104	
SEGMENTATION OF MULTITRACK, MULTIFREQUENCY & MULTIPOLARIMETRIC SAR DATA UNIV OF MARYLAND	CHALLAPPA RAMA	N 26 13/11/91 \$195,307	A SJOOREN 92-NM-105	\$63,718 01/02/92 \$196,307
NUMBER THEORETIC QUESTIONS RELATED TO OBSERVABILITY OF DYNAMICAL SYSTEMS DARTMOUTH COLLEGE	ANDRELL CROOTHY	N 36 13/11/91 \$217,417	JACOBS 92-NM-106	
NONLINEAR THEORY OF A PDE ELECTRON LASER WITH LONGITUDINAL ELECTRIC WIGGLER UNIV OF MISSOURI	WILLETT JOSEPH	N 19 13/11/91 \$1,328	NACHMAN 92-NM-115	
OSCILLATION INTERACTIONS IN HEAT TURBULENCE MODELS UNIV OF ILLINOIS	NEWTON PAUL	N 26 13/11/91 \$143,393	NACHMAN 92-NM-116	
DIELECTRIC RESPONSE TENSOR AND COLLECTIVE MODE BEHAVIOR IN STRONG ELECTRIC FIELDS UNIV OF VERMONT	GOLDEN KENNETH	N 12 13/11/91 \$97,000	NACHMAN 92-NM-117	

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TITLE (CONT.) INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOT AMT
A STUDY OF THREE DIMENSIONAL COMPUTER VISION: OBJECT RECOGNITION AND ANALYSIS UNIV OF MICHIGAN	SHATTACHAPPA	Y 12 13/11/91 \$25,556	WAKSMAN 92-NM-118	
THE NONLINEAR CONTROL THEORY OF COMPLEX MECHANICAL SYSTEMS BOSTON UNIVERSITY	JOHN	Y 36 13/11/91 \$25,591	JACOBS 92-NM-119	
SCALARIZATION RESPONSE OF LOW BRASSING ANGLE L-PLANE DISTANT VEGETATIVE CLUTTER UNDER FORWARD SCATTERING CONDITIONS UNIV OF MICHIGAN	RAM	Y 24 13/11/91 \$49,962	NACHMAN 92-NM-122	
DETERMINED CLUTTER FOR SIMULATION USING SCALE MODEL SURFACES WITH THOUGHTFUL AGONY UNIV OF MICHIGAN	COLTAN	N 12 19/11/91 \$44,330	NACHMAN 92-NM-123	
NONLINEAR CONTROL THEORY UNIV OF MICHIGAN	MARK	Y 25 20/11/91 \$25,713	JACOBS 92-NM-127	
EXTREMAL EIGENVALUE PROBLEMS FACE UNIVERSITY	STEVEN	Y 26 21/11/91 \$214,000	NACHMAN 92-NM-131	
CEPSCORD: COMPUTER VISION METHODS BASED ON SPATIAL FEATURES AND DISCRETE BINARY AGGREGATION NETWORKS UNIV OF MISSOURI	RAMUJ	N 35 22/11/91 \$113,560	WAKSMAN 92-NM-134	
CEPSCORD: THE ESTIMATION & CONTROL OF CARLITERS IN DISTRIBUTION MODELS OF FLEXIBLE STRUCTURES UNIV OF OKLAHOMA	LUTHER	Y 36 27/11/91 \$32,354	JACOBS 92-NM-136	
MATHEMATICAL ASPECTS OF MATERIALS SCIENCE UNIV OF UTAH	KENNETH	Y 36 27/11/91 \$201,101	NACHMAN 92-NM-140	

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ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED
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TITLE: (CONT.)
INSTITUTE

100-443886-1

(JASCO) STUDENT RESIDENT IN COMPUTATIONAL ALGORITHMS FOR
DISTRIBUTED DATA-PROCESSING SYSTEMS;
UNIV. OF ARIZONA;
= DOW-N

516-2

ALL NEW MULTICOMMUNICATIONS
GENERAL INVESTIGATION
UNIT, CHINESE
- 45574 - TOTAL SIGNAL PROCESSING
PHOTOGRAPHY

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TECHNIQUES FOR ESTABLISHING A DISCREET
PARAMETER SYSTEM
UNIV OF NEBRASKA
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ESTIMATION AND CONTACT WITH ASSOCIATED PERSONS

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KAASSTED, LARSEN-DATA ANALYSIS FOR APPLICATIONS IN
TRANSFORMATION SCHEDULING
BROWN UNIVERSITY
N=341

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92-44-143

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32-NM-159

16/12/31
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TITLE
(CONT.)
SUBSCRIPTION

CAASERT) OPERATOR: FUSION

UNIV OF MARYLAND

INVESTIGATOR

DOUGHERTY

12312

CAASERT) STUDENT RESEARCH IN COMPUTATIONAL ALGORITHMS FOR
DISTRIBUTED PARAMETER SYSTEMS
UNIV OF ARIZONA

SPENCER

02112

CAASERT) STUDENT RESEARCH IN COMPUTATIONAL ALGORITHMS FOR
THE RECOGNITION OF FLEXIBLE STRUCTURES & THE ROLE OF
COMPUTATIONAL & INFORMATIONAL ASPECTS
UNIV OF VIRGINIA

LASSICKA

12312

TIME/FREQUENCY/TIME SCALE MODELS BASED JOINT HIGH-LEVEL
HIGH-LEVEL ANALYSIS
UNIV OF DENVER

SCHROEDER

JAMES

ANALYSIS AND SCIENTIFIC SIMULATION OF A FUNDAMENTAL CLASS
UNIV OF TEXAS

SHAWALTER

TOPICS IN SCIENTIFIC THEORY
UNIV OF CALIFORNIA

CASSELL

12312

CAASERT) RESEARCH: ABOUT PLANS

UNIV OF ROCHESTER

ALLEN

JAMES

ARRAY SIGNAL PROCESSING IN UNDER SAMPLED DATA

UNIV OF DARTMOUTH

PASSALA

KRISHNA

CAASERT) FACILITIES & METHODS FOR INTELLIGENT AGENT PROTOCOLS
UNIV OF MARYLAND, BALTIMORE CAMPUS

WILSON

TIMOTHY

TYPE/MONTHS
RECEIVED
AMOUNT

" 26
17/12/91
127,119

" 36
17/12/91
127,112

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17/12/91
127,026

" 12
17/12/91
127,104

" 26
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" 24
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127,112

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17/12/91
127,112

STATUS
PROGRAM MANAGER
PROPOSAL #

SUGGREN
92-NM-137

NACHMAN
92-NM-159

NACHMAN
92-NM-170

SUGGREN
92-NM-173

NACHMAN
92-NM-176

NACHMAN
92-NM-179

WAKSMAN
92-NM-180

SUGGREN
92-NM-192

WAKSMAN
92-NM-179

INITIATE
START DATE
TOT AMT

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TITLE TITLE (CONT.) SUBSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOT AMT.
INTELLIGENT AGENT PROGRAMS	CHEN	36 23/12/91 \$112,117	WAKSMAN 92-NM-122	
UNIV OF MARYLAND, BALTIMORE COUNTY				
AIRCRAFT CONTROL BENCHMARK PROBLEM	CHEN	36 13/11/91 1255,005	JACOBS 92-NM-107	
GRUMMAN AEROSPACE CORP				
RADIAL BASES FUNCTIONS WITH APPLICATIONS	FRANCIS	36 20/12/91 \$239,323	NACHMAN 92-NM-177	
TEXAS ENGINEERING EXPERIMENT CENTER				
PA' SUELE COMPUTATIONS FOR LEAST SQUARES REGRESSION	SHIUE	24 13/11/91 71,1319	SJOGREN 92-NM-110	
SOUTHERN ILLINOIS UNIVERSITY				
RESEARCH IN MACHINE-INDUCED REASONING	SECHSE	12 10/12/91 150,000	GLASSMAN 92-NM-150	\$50,000 01/01/92 \$50,000
GEORGIA INSTITUTE OF TECH				
STOCHASTIC TOUNDOFF ERROR ANALYSIS OF SOME NUMERICAL ALGORITHMS	CALVETTE	24 13/12/91 137,251	JACOBS 92-NM-153	
STEVENS INSTITUTE OF TECHNOLOGY				
ANALYSIS AND APPLICATIONS OF LARGE-SCALE SYSTEMS CONTAINING TURNING POINTS	MSIEM	36 24/10/91 1103,319	JACOBS 92-NM-026	
WESTERN MICHIGAN UNIVERSITY				
ORTHOGONAL INTERCONNECTION NETWORKS FOR MASSIVELY PARALLEL PROCESSORS	ISAAC	36 03/10/91 \$235,117	LUPU 92-NM-002	\$74,995 01/02/92 \$235,117
UNIV OF CALIFORNIA				
STOCHASTIC MODELS IN RELIABILITY	ROSS	12 07/10/91 753,462	SJOGREN 92-NM-004	
UNIV OF CALIFORNIA				

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TITLE (CONT.)	INITIALS	INVESTIGATOR	TYPE/MONTHS RECEIVED	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOT AMT.
(ASSET) ROBUST GAME THEORETIC GUIDANCE AND CONTROL LAWS FOR MISSILE SYSTEMS UNIV OF CALIFORNIA	JASON	INVESTIGATOR	36 29/10/91 \$254,268	JACOBS 92-1M-049	
(ASSET) HIGH-RESOLUTION ALGORITHMS, SYSTEM THEORY AND SOFTWARE TOOLS UNIV OF CALIFORNIA	ELIJAH	POLAK	36 29/10/91 \$259,105	GLASSMAN 92-1M-056	
(ASSET) ARCHITECTURES & PROTOCOLS FOR OPTICAL RESONANT NETWORKS UNIV OF CALIFORNIA	MUNHERJEE	PISHANATH	36 29/11/91 \$133,055	LUPU 92-1M-095	
JOINT RESEARCH ON COMPUTATIONAL FLUID DYNAMICS AND FLUID FLOW CONTROL UNIV OF CALIFORNIA	JAMES	GERSON	36 29/11/91 \$401,157	JACOBS 92-1M-114	
WORKSHOP ON THE MODELS OF UNCERTAINTY IN CONTROL SYSTEMS UNIV OF CALIFORNIA	ROY	SMITH	06 16/12/91 \$17,250	JACOBS 92-1M-159	
PARAMETRIC TIME-SCALE METHODS IN SIGNAL ANALYSIS UNIV OF RHODE ISLAND	R.	CHANDRASEN	24 16/10/91 \$74,562	SJOGREN 92-1M-015	
PHYSICAL PROPERTIES GEORGIA TECH RESEARCH CORPORATION	OSCAR	SRUNG	36 29/10/91 \$83,035	NACHMAN 92-1M-044	
ASSET - IMAGE COMPRESSION AND WAVELET GENERATION GEORGIA TECH RESEARCH CORPORATION	MARC	BERGER	36 29/10/91 \$123,045	NACHMAN 92-1M-063	
(ASSET) FAST MULTILEVEL LOCAL METHODS UNIV OF COLORADO AT DENVER	STEPHEN	MCCORMICK	36 29/10/91 \$207,630	NACHMAN 92-1M-036	

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PROPOSAL STATUS REPORT (1 OCT 91 - 31 DEC 91)
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DIRECTORATE OF MATHEMATICAL & INFORMATION SCIENCES

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TITLE (CONT.) INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOT AMT
CAASERT) NUMERICAL METHODS FOR SINGULARLY PERTURBED DIFFERENTIAL EQUATIONS WITH APPLICATIONS RENSSELAER POLYTECHNIC INSTITUTE	FLAMERTY	N 36 23/11/91 \$115,979	NACHMAN 92-NM-100	
CAASERT) KNOWLEDGE BASED SYSTEM FOR THREE DIMENSIONAL IMAGING AID RENSSELAER POLYTECHNIC INSTITUTE	WALLACE	N 36 17/12/91 \$99,313	WAKSMAN 92-NM-155	
CAASERT) DEVELOPMENT OF NEURAL NETWORK TECHNIQUES FOR CONCEPTUAL DESIGN UNIV OF NOTRE DAME	BATILL	N 36 03/11/91 \$63,178	JACOBS 92-NM-096	
CAASERT) CRYSTALLINE METHODS IN CRYSTAL GROWTH RUTGERS, THE STATE UNIVERSITY	TAYLOR	N 36 05/11/91 \$247,997	NACHMAN 92-NM-092	
MULTIDIMENSIONAL RECONSTRUCTION METHODS FOR INVERSE PROBLEMS TEXAS A AND M RESEARCH FOUNDATION	RUNCLELL	N 36 17/10/91 \$226,503	NACHMAN 92-NM-013	
CAASERT) ANALYSIS, COMPUTATION AND CONTROL OF DISTRIBUTED PARAMETER SYSTEMS TEXAS A AND M RESEARCH FOUNDATION	CHEN	N 36 31/10/91 \$191,497	JACOBS 92-NM-059	
DETECTION OF CHANGEPOINTS AND MODEL INADEQUACY USING DATA-DRIVEN SMOOTHERS TEXAS A AND M RESEARCH FOUNDATION	WAPT	N 36 27/11/91 \$86,056	SJOGREN 92-NM-138	
COMPUTATIONAL METHODS FOR ESTIMATION AND CONTROL OF FLEXIBLE STRUCTURES WITH DAMPING TEXAS A AND M RESEARCH FOUNDATION	FABIANO	N 36 23/12/91 \$53,507	JACOBS 92-NM-183	
CAASERT) COMPARING CLASSES OF FACTORIAL BLOCK DESIGN WRIGHT STATE UNIVERSITY	VOSS	N 36 22/10/91 \$73,014	SJOGREN 92-NM-019	

REPORT DATE 01/02/92

DOCTORAL STATUS REPORT (1 OCT 91 - 31 DEC 91)
 AIR FORCE OFFICE OF SCIENTIFIC RESEARCH
 DIRECTORATE OF MATHEMATICAL & INFORMATION SCIENCES

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TITLE (CONT.) INSTITUTION	INVESTIGATOR	TYPE/AMOUNTS RECEIVED	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOT AMT.
BINARY ARRAYS WITH DESIRABLE CORRELATION PROPERTIES WRIGHT STATE UNIVERSITY	APASU	N 36 29/10/91 \$129,938	SJOGREN 92-NM-035	
CASERT) NEURAL NETWORKS FOR THE CONTROL OF HIGHLY MANEUVERABLE UNMANNED VEHICLES GEORGE MASON UNIVERSITY	WENTZ	N 36 30/10/91 \$188,300	SUDDARTH 92-NM-064	
CASERT) LEARNING IN AN INTENTIONAL SYSTEM NORTHWESTERN UNIVERSITY	BIRNBAUM	N 36 24/11/91 \$253,593	WAKSMAN 92-NM-075	
CASERT) DOCTORAL STUDENT SUPPORT FOR RESEARCH IN LARGE-SCALE COMBINATORIAL OPTIMIZATION GEORGE MASON UNIVERSITY	HOEFMAN	N 36 24/11/91 \$35,311	GLASSMAN 92-NM-081	
A STUDY OF SOME MULTIDIMENSIONAL INVERSE PROBLEMS KANSAS STATE UNIVERSITY	DAMM	N 36 05/11/91 \$243,109	NACHMAN 92-NM-093	
CASERT) THE NONLINEAR DYNAMICS OF PULSED TRANSIENTS IN FLUID MECHANICS AND OPTICS NORTHWESTERN UNIVERSITY	REISS	N 36 05/11/91 \$312,542	NACHMAN 92-NM-097	
NEWTON METHODS FOR STRICTLY CONVEX QUADRATIC PROGRAMS AND DATA SMOOTHING MODELS OLD DOMINION UNIVERSITY	SWETT'S	N 24 03/12/91 \$173,535	GLASSMAN 92-NM-146	
VERY FAST PARALLEL ALGORITHMS FOR SOME FUNDAMENTAL TREE PROBLEMS (2301-92-6093-545) OLD DOMINION UNIVERSITY	OLARIU	N 15 15/12/91 \$73,590	JACOBS 92-NM-161	
CASERT) REACTION IN IRTPS OREGON STATE UNIVERSITY	D'AMEROSIO	N 36 20/12/91 \$91,549	WAKSMAN 92-NM-171	

REPORT DATE 01/02/92

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TITLE
TITLE (CONT.)
INSTITUTION

TYPE/MONTHS
RECEIVED
AMOUNT

STATUS
PROGRAM MANAGER
PROPOSAL #

INITIATE
START DATE
TOT AMT

INVESTIGATOR
CAASERT) PERFORMANCE ESTIMATES FOR AUTOMATIC RADAR TARGET
RECOGNITION SYSTEMS
WRIGHT STATE UNIVERSITY

JAREEP

ERED

36
23/12/91
\$74,599

SJOGREN
92-NM-131

CAASERT) COMPUTATIONAL ISSUES IN THE ROCKET CONTROL OF FLEXIBLE
STRUCTURES
GEORGE WASON UNIVERSITY

MANITOUS

INDEXED

36
23/12/91
\$103,704

JACOBSON
92-NM-135

CAASERT - MODELING OF VISCOELASTIC JETS AND FIBERS: INVERSE
PROBLEMS FOR MATERIAL CHARACTERIZATION
OHIO STATE UNIV RESEARCH FOUNDATION

FOREST

M. GREGORY

36
23/12/91
\$100,348

NACHMAN
92-NM-061

CONTROL AND STABILIZATION OF MECHANICAL AND FLUID SYSTEMS

OHIO STATE UNIV RESEARCH FOUNDATION

ELDOCK

ANTHONY

36
27/11/91
\$90,443

JACOBSON
92-NM-139

CAASERT) INCORPORATING PROBABILISTIC RETRIEVAL MODELS IN AN
OBJECT-ORIENTED FRAMEWORK
UNIV OF MASSACHUSETTS

CRDREY

WILLIAM

36
23/11/91
\$90,325

WAKSMAN
92-NM-103

LEARNING IN ROBUSTLY CONSTRAINED ADAPTIVE NEURAL NETWORKS

UNIV OF MASSACHUSETTS

COHAMPE

JEMH

36
23/12/91
\$171,941

SUDODARTH
92-NM-172

CAASERT) BUILDING CAUSAL MODELS WITH PATH ANALYSIS

UNIV OF MASSACHUSETTS

COMEN

PAUL

36
23/12/91
\$68,252

WAKSMAN
92-NM-198

SPECIAL ISSUES IN THE ANALYSIS OF SUCCESS-FAILURE DATA FROM TEST
AND EVALUATION EXPERIMENTS
ENVIRONMENTAL RESEARCH INSTITUTE OF MICH

DAVID

HANCY

24
23/12/91
\$103,111

SJOGREN
92-NM-175

COMPUTING SCIENCE AND STATISTICS: SYMPOSIUM ON THE INTERFACE

INTERFACE FOUNDATION OF NORTH AMERICA

NEWTON

T. JOSEPH

12
17/10/91
\$51,865

SJOGREN
92-NM-012

REPORT DATE 01/02/90

PROPOSAL STATUS REPORT (1 OCT 91 - 31 DEC 91)
 AND OFFICE OF SCIENTIFIC RESEARCH
 DIRECTORATE OF MATHEMATICAL & INFORMATION SCIENCES

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TITLE (CONT.) INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOT AMT
AUTOMATING THE ANALYSIS OF NONLINEAR ORDINARY DIFFERENTIAL EQUATIONS PRINCETON UNIVERSITY	SACKS	N 36 10/10/91 \$127,786	WAKSMAN 92-NM-306	
ASERT - DIGITAL NEUROCOMPUTING: THEORY, APPLICATION, AND IMPLEMENTATION PRINCETON UNIVERSITY	KUNG	N 36 29/10/91 \$134,600	SUDARTH 92-NM-051	
CAASERT) MATHEMATICAL NONLINEAR OPTICS (AUGMENTATION AWARD) PRINCETON UNIVERSITY	MCLAUGHLIN DAVID	N 36 30/10/91 \$226,922	NACHMAN 92-NM-058	
CAASERT) CONTROL THEORY FOR DISTRIBUTED PARAMETER SYSTEMS - AUGMENTATION PRINCETON UNIVERSITY	FLANN DAVID	N 36 23/11/91 \$131,391	JACOBS 92-NM-038	
NUMERICAL MODELLING OF CRYSTAL GROWTH PRINCETON UNIVERSITY	STRACH JOHN	N 36 19/11/91 \$90,400	JACOBS 92-NM-125	
A.C. JOSE MEMORIAL CONFERENCE ON STATISTICAL DESIGN AND COMBINATORICS COLORADO STATE UNIVERSITY	SRIVASTAVA JAGDESH	N 12 20/12/91 \$26,920	SJOGREN 92-NM-174	
CAASERT) EVOLUTION AND LEARNING IN NEURAL NETWORKS WITH BINARY WEIGHTS UNIV OF PENNSYLVANIA	VENKATESH SANTOSH	N 36 29/10/91 \$127,786	SUDARTH 92-NM-041	
CAASERT) GRADUATE STUDENT SUPPORT FOR RESEARCH IN STATISTICAL SIGNAL PROCESSING UNIV OF PENNSYLVANIA	KASSAM SALIM	N 36 29/10/91 \$134,605	NACHMAN 92-NM-047	
CAASERT) EVOLUTION AND LEARNING IN NEURAL NETWORKS WITH BINARY WEIGHTS UNIV OF PENNSYLVANIA	VENKATESH SANTOSH	N 36 04/11/91 \$127,786	SUDARTH 92-NM-033	

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 AND SPACE DESIGN OF SCIENTIFIC RESEARCH
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TITLE (CONT.) INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOT AMT
(ASERT) MULTIGRANT DISTRIBUTED RECOGNITION-MARKING UNIV OF PENNSYLVANIA	CAJCSY	" 26 24/11/91 \$173,133	WAKSMAN 92-NM-038	
(ASERT) GRAPHIC ENVIRONMENT FOR PULSE TEST AND VERIFICATION OF RULE-BASED KNOWLEDGE BASES UNIV OF PENNSYLVANIA	POYNES	" 36 24/11/91 \$337,384	WAKSMAN 92-NM-039	
(ASERT) SUPPORT FOR STUDENT RESEARCH IN COMPUTATIONAL MET-CDS FOR FLUID PROBLEMS VIRGINIA POLYTECHNIC INST & STATE UNIV	WAX	" 36 23/10/91 \$311,156	JACOBS 92-NM-023	
(ASERT) ROBUST CONTROL OF VISCOELASTIC SYSTEMS VIRGINIA POLYTECHNIC INST & STATE UNIV	HANSEN	" 36 31/10/91 \$197,225	JACOBS 92-NM-057	
(ASERT) COMPUTATIONAL METHODS FOR OPTIMAL DESIGN OF AEROSPACE SYSTEMS VIRGINIA POLYTECHNIC INST & STATE UNIV	JCMY	" 26 24/11/91 \$235,522	JACOBS 92-NM-073	
PULSE PROPAGATION IN RANDOM MEDIA (92-0741-11) VIRGINIA POLYTECHNIC INST & STATE UNIV	KCHLP	" 36 21/11/91 \$123,112	NACHMAN 92-NM-120	
NEW ADAPTIVE METHODS FOR RECONFIGURABLE FLIGHT CONTROL CARNEGIE-MELLON UNIVERSITY	SODSON	" 36 19/11/91 \$248,594	JACOBS 92-NM-126	
NEURAL NETWORK APPROACH TOWARDS LOGIC TESTING AND DESIGN-DEPENDABILITY LOUISIANA STATE UNIVERSITY	FAC	" 24 21/11/91 \$105,120	SJOJREN 92-NM-132	
FOURIER SPECTRUM ENHANCEMENT USING PRIOR KNOWLEDGE SEATTLE PACIFIC UNIVERSITY	WATSON	" 36 16/12/91 \$112,394	NACHMAN 92-NM-152	

REPORT DATE 01/12/72

PROPOSAL STATUS REPORT (1 OCT 71 - 31 DEC 71)
AND STATE DEPT OF SCIENTIFIC RESEARCH
DIRECTORATE OF MATHEMATICAL & INFORMATION SCIENCES

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LE (CONT.)
INSTITUTION

SEPT) APPLICATION OF THE TASK CONTROL ARCHITECTURE TO RADIO
WAVE SIGNALS
MICHIGAN STATE UNIVERSITY

SEPT) DISTRIBUTED CONSTRAINT-BASED PLANNING AND SCHEDULING
MICHIGAN STATE UNIVERSITY

SEPT - RESEARCH IN METEOROLOGICAL + NONLINEAR MEDIA
U. S. COAST GUARD INSTITUTE MATH SCIENCE

TRANSFORMATIONAL PROBLEMS IN DYNAMIC PLASTICITY
THE UNIVERSITY OF NEW YORK

UNIVERSAL TESTS IN SOFTWARE DEVELOPMENT
THE UNIVERSITY OF NEW YORK

RE SUPPORT FOR THE BOARD OF MATHEMATICAL SCIENCES
SIGNAL ACADEMY OF SCIENCES

SYMBOLIC ALGORITHMS FOR NETWORK PROBLEMS IN PLANNING
V OF NORTH CAROLINA

SECTAL OPTIMIZATION WITH LINEAR CONSTRAINTS
V OF NORTH CAROLINA

LINE DIRECTION-OF-ARRIVAL ESTIMATION OF WIDEBAND SIGNAL WITH
TWO-DIMENSIONAL ARRAYS VIA SIGNAL SUBSPACE TECHNIQUES
DUE RESEARCH FOUNDATION

TYPE/AMOUNTS
RECEIVED
AMOUNT

SUDJARTH
92-NM-154

WAKSMAN
92-NM-139

NACHMAN
92-NM-057

NACHMAN
92-NM-120

SJOGBEN
92-NM-134

HOLLAND
92-NM-144

GLASSMAN
92-NM-121

GLASSMAN
92-NM-129

SJOGBEN
92-NM-191

17/12/91
1217.027

13/12/91
1031.503

12/10/91
1203.332

12/11/91
157.225

12/12/91
1329.324

12/12/91
1142.350

13/11/91
1222.027

21/11/91
1175.531

24/12/91
1112.500

INVESTIGATOR

SIMMONS

SMITH

KOMI

PITMAN

BLACK

LAVARY

PERVAN

MICHALEWICZ

ZOLTOWSKI

TECO

STODOLSKY

ROBERT

E. CRUCE

SPILNYSKY

JOHN

J. SCOTT

REIGNIER

MICHAEL

STATUS
PROGRAM MANAGER
PROPOSAL #

INITIATE
START DATE
TOT AMT.

REPORT DATE 01/02/92

ABSTRACT STATUS REPORT (1 OCT 91 - 31 DEC 91)
FOR BRIDGE DESIGN OF SUBSTITUTION DESIGNING
STRUCTURES OF MATHEMATICAL & INFORMATION SCIENCES

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TITLE	INVESTIGATOR	ADDER	REVIEW	TYPE/AMOUNTS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOT AMT
CEPSCOR) REAL-TIME ADAPTIVE AIR CONTROL USING NEURAL NETWORKS	ADDER	REVIEW		26 12/12/91 153,525	SUGGARTH 92-NM-151	
IOAMS STATE UNIVERSITY						
A CONTROL-THEORETIC APPROACH TO LEARNING IN NEURAL NETWORKS	ADDER	REVIEW		26 12/12/91 195,277	SUGGARTH 92-NM-155	
OSAMA STATE UNIVERSITY						
(MAGNET) AEROSPACE RELATED GRADUATE STUDIES	ADDER	REVIEW		26 12/11/91 133,151	NACHMAN 92-NM-076	
WASHINGTON UNIVERSITY						
(MAGNET) DOCTORAL RESEARCH IN SYSTEMS SCIENCE & MATHEMATICS & IN MECHANICAL ENGINEERING	KATZ	REVIEW		26 12/11/91 175,013	NACHMAN 92-NM-078	
WASHINGTON UNIVERSITY						
SYNTHETICAL SYSTEMS IN HYDROMECHANICS AND SUPERCONDUCTIVITY	ADDER	REVIEW		26 12/11/91 112,422	NACHMAN 92-NM-124	
WASHINGTON UNIVERSITY						
NUMERICAL STUDY OF OPTICAL CHECK ESTIMATION IN SELF-ORGANIZING ULTRA-SHORT PULSES	ADDER	REVIEW		26 12/11/91 151,101	NACHMAN 92-NM-132	
UTAH STATE UNIVERSITY						
CEPSCOR) DOCTORAL RESEARCH IN SYSTEMS SCIENCE AND MATHEMATICS AND IN MECHANICAL ENGINEERING	KATZ	REVIEW		26 12/11/91 175,099	JACOBS 92-NM-137	
WASHINGTON UNIVERSITY						
CEPSCOR) GRADUATE STUDIES IN AIRSPACE RELATED OPTIMIZATION	ADDER	REVIEW		26 12/12/91 129,151	GLASSMAN 92-NM-142	
WASHINGTON UNIVERSITY						
CEPSCOR) DOCTORAL RESEARCH IN SYSTEMS SCIENCE AND MATHEMATICS	ADDER	REVIEW		26 12/12/91 129,152	JACOBS 92-NM-143	
WASHINGTON UNIVERSITY						

REPORT DATE: 11/22/92

PROPOSAL STATUS REPORT (1 OCT 91 - 31 DEC 91)
 ALL WORK REPORTS IN IDENTIFIED RESEARCH
 CATEGORY OF MATHEMATICAL & INFORMATION SCIENCES

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 INSTITUTION

YRS/MONTHS
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 AMOUNT

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 START DATE
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(ASSET) PARAMETRIC SIGNAL PROCESSING TECHNIQUES FOR AUTOMATIC
 SIGNAL DETECTION
 OHIO STATE UNIVERSITY

SAMUELSON

SJOGREN
 92-NM-137

INVESTIGATION
 NOTES

Y 36
 12/12/91
 \$168,741

PERSONAL COMMUNICATION METHODS: ADAPTIVE POWER CONTROL AND
 ASSOCIATED INTERFERENCE METHOD CONSIDERATIONS
 SOUTHERN METHODIST UNIVERSITY

SOMESHWAR

SJOGREN
 92-NM-007

SUPTA

Y 24
 10/10/91
 \$253,524

(ASSET) SINGULAR PERTURBATION METHODS FOR NONLINEAR DYNAMICAL
 SYSTEMS AND WAVES
 SOUTHERN METHODIST UNIVERSITY

PICARD

NACHMAN
 92-NM-032

WAGNERMAN

Y 26
 10/10/91
 \$73,042

SINGULAR PERTURBATION METHODS FOR NONLINEAR DYNAMICAL SYSTEMS AND
 WAVES
 SOUTHERN METHODIST UNIVERSITY

RECHARD

NACHMAN
 92-NM-190

WAGNERMAN

Y 36
 10/12/91
 \$119,129

NEW CORRECTIONS IN NETWORK FLOWS

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

JAMES

A
 GLASSMAN
 92-NM-003

\$82,257
 01/02/92
 \$82,257

(ASSET) RESEARCH TRAINING IN CONTROL BASED ON NEURAL NETWORKS
 MASSACHUSETTS INSTITUTE OF TECHNOLOGY

CRISTOPHER

SUDDARTH
 92-NM-033

Y 24
 10/10/91
 \$127,575

(ASSET) ROBUST IDENTIFICATION AND CONTROL UNDER UNCERTAINTY
 MASSACHUSETTS INSTITUTE OF TECHNOLOGY

MUNTER

JACOBS
 92-NM-045

CAMLEY

Y 36
 10/10/91
 \$137,731

(ASSET) MULTIREOLUTION STATISTICAL SIGNAL PROCESSING AND
 DISCRETE EVENT SYSTEMS
 MASSACHUSETTS INSTITUTE OF TECHNOLOGY

WILSKY

SJOGREN
 92-NM-048

Y 36
 10/10/91
 \$275,461

PROPOSAL FOR A SIAM CONFERENCE ON APPLICATIONS OF DYNAMICAL
 SYSTEMS
 SOCIETY FOR INDUSTRIAL & APPLIED MATH

I. EDWARDS

NACHMAN
 92-NM-030

Y 12
 10/10/91
 \$22,000

REPORT DATE 11/02/92

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FOR SPACE OFFICE OF SCIENTIFIC RESEARCH
DIRECTORATE OF MATHEMATICAL & PHYSICAL SCIENCES

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TITLE (CONT.)
INSTITUTION

PROPOSAL FOR A SUM CONFERENCE ON CONTROL AND ITS APPLICATIONS

SOCIETY FOR INDUSTRIAL & APPLIED MATH

BLACK

DR. HOWARD

INVESTIGATOR

(ASSET) INVESTIGATION OF ANTIDUSTING NONLINEAR OPTICAL PHENOMENA

COLUMBIA UNIVERSITY

OTTENSK

DRY

(ASSET) PROPOSAL FOR GRADUATE TRAINING

CLARKSON UNIVERSITY

WOLFE

AT KAVASSIOS

(ASSET) PROPOSAL FOR GRADUATE TRAINING

CLARKSON UNIVERSITY

KAUP

ELVED

ASSET - INTERACTIVE, COMPUTER-AIDED, CONTROL SYSTEM DESIGN

STANFORD UNIVERSITY

BOY

STERGEN

THE NUMERICAL ANALYSIS OF VOLTAGE EQUATIONS OVER LONG TIME INTERVALS

STANFORD UNIVERSITY

STUART

WATSON

ANALYSIS OF POINT-TO-POINT ROUTING PROBLEMS

COLUMBIA UNIVERSITY

SINCHI-LEVI

DAVDO

(ASSET) GRADUATE TRAINING IN IMAGE ANALYSIS

NEW YORK UNIVERSITY

HUMMEL

ROBERT

(ASSET) REDUCTIVE COMPUTER PROGRAMMING

STANFORD UNIVERSITY

MANNA

ELIAS

TYPE/MONTHS
RECEIVED
AMOUNT

STATUS
PROGRAM MANAGER
PROPOSAL #

INITIATE
START DATE
TOT AMT

11 12
25/12/91
119,000

JACOBS
92-NM-031

11 36
22/10/91
1132,166

WACHMAN
92-NM-017

11 37
23/12/91
473,582

WACHMAN
92-NM-021

11 36
24/10/91
173,123

WACHMAN
92-NM-025

11 26
20/10/91
123,709

GLASSMAN
92-NM-059

11 26
12/11/91
323,103

JACOBS
92-NM-112

11 24
27/11/91
4204,472

GLASSMAN
92-NM-125

11 33
17/12/91
1262,956

WACHMAN
92-NM-168

11 36
23/12/91
1139,900

LUPO
92-NM-196

REPORT DATE 01/02/92

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TRANSITION FROM "MULTIDISCIPLINARY" RESEARCH TO IN AN EDUCATIONAL	12 10/10/91 150,454	A GLASSMAN 92-NM-009	850,454 01/03/92 850,454
ASPECTS A HYPERBOLIC METHOD FOR LINEAR ALGEBRA	36 03/10/91 150,454	NACHMAN 92-NM-043	
A JERSEY INSTITUTE FOR TECHNOLOGY	36 03/10/91 150,454	SUDHARTH 92-NM-055	
ASPECT - LEARNING IN NATURAL AND ARTIFICIAL SYSTEMS	36 03/10/91 150,454	JACOBS 92-NM-099	
ALABAMA INSTITUTE OF TECHNOLOGY	12 03/10/91 150,454	SUDHARTH 92-NM-185	
ASPECTS ABOUT CONTROL THEORY AND APPLICATIONS	36 03/10/91 150,454	GLASSMAN 92-NM-010	
ALABAMA INSTITUTE OF TECHNOLOGY	36 03/10/91 150,454	NACHMAN 92-NM-029	
ASPECTS ABOUT CONTROL THEORY AND APPLICATIONS	36 03/10/91 150,454	GLASSMAN 92-NM-111	
ALABAMA INSTITUTE OF TECHNOLOGY	36 03/10/91 150,454	NACHMAN 92-NM-113	

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FOR STATUS REPORT OF SCIENTIFIC RESEARCH
CONDUCTED IN MATHEMATICAL & INFORMATION SCIENCES

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STPL
STPL COUNT
INSTITUTION

UNIVERSITY VALUE PROBLEMS AND SOME WITH VARIETY

UNIVERSITY

ALAN

ULTI-STATE SWITCHING NETWORKS AND COMBINATORIAL SEARCHING SYSTEMS

UNIVERSITY

GERALD

ASPECTS OF CENTRAL STUDENT PROGRAM IN SPATIO-TEMPORAL COMPLEXITY IN
UNIVERSITY

UNIVERSITY

WILLIAM

ASPECTS OF USE OF NEURAL NETWORKS AND FAST TRAJECTORIES IN
UNIVERSITY

UNIVERSITY

CHRISTOPHER

ASPECTS OF LOCAL COMPLEXITY MULTIPLICITY

UNIVERSITY

DOUGLAS

ASPECTS OF STUDENT SUPPORT FOR RESEARCH IN CENTRAL THEORY AND
APPLICATIONS

UNIVERSITY

RUSH

ASPECTS OF INFORMATION PROCESSING IN NEURAL NETWORKS

UNIVERSITY

AKERS

ASPECTS AND COMPLEXITY PROBLEMS

UNIVERSITY

RAY

UNIVERSAL CYCLES AND PARTIALLY ORDERED SETS

UNIVERSITY

MURPHY

TYPE/AMOUNTS
RECEIVED
AMOUNT

STATUS

PROGRAM MANAGER
PROPOSAL #

INITIATE
START DATE
TOT AMT

12

7/11/91

126,372

WACHMAN

92-NM-001

26

12/11/91

121,139

LUPU

92-NM-079

26

7/11/91

117,139

WACHMAN

92-NM-028

26

7/11/91

133,569

WACHMAN

92-NM-040

26

7/11/91

122,524

SUGGREN

92-NM-046

26

7/11/91

113,492

JACOBS

92-NM-054

26

7/11/91

126,176

SUDDARTH

92-NM-034

26

12/11/91

110,106

GLASSMAN

92-NM-108

26

12/11/91

110,106

GLASSMAN

92-NM-128

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TITLE (CONT.) INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOT AMT
(AASERT) RESEARCH IN NONLINEAR DYNAMICAL SYSTEMS CORNELL UNIVERSITY	JAMES PHILLIP	N 36 09/10/91 \$240,991	NACHMAN 92-NM-005	
(AASERT) APPLICATIONS OF GEOMETRIC ALGORITHMS CORNELL UNIVERSITY	DANIEL D'AMICO	N 36 22/10/91 \$400,512	GLASSMAN 92-NM-020	
(AASERT) SYMMETRY METHODS AND NONLINEAR ANALYSIS IN ELASTOMECHANICS CORNELL UNIVERSITY	MEALEY TIMOTHY	N 36 04/11/91 \$203,532	NACHMAN 92-NM-071	
(AASERT) ACTION REPRESENTATION FOR COLLABORATIVE PLANNING HARVARD UNIVERSITY	GROSS SARBAO	N 36 04/11/91 \$213,530	WAKSMAN 92-NM-095	
(AASERT) NEW POLYMERAL APPROACHES FOR SOLVING 0-1 PROGRAMMING PROBLEMS CLEMSON UNIVERSITY	ADAMS WARREN	N 36 04/11/91 \$127,465	GLASSMAN 92-NM-090	
(EPSORO) NEW POLYMERAL APPROACHES FOR SOLVING 0-1 PROGRAMMING PROBLEMS CLEMSON UNIVERSITY	ADAMS WARREN	N 36 09/10/91 \$127,465	GLASSMAN 92-NM-149	
MODELING OF NONISOTHERMAL VISCOPLASTIC SLENDER JET AND THIN SHEET FLOWS INDIANA UNIVERSITY-PURDUE UNIV AT INDOPLS	WANG JI	N 36 10/12/91 \$93,573	NACHMAN 92-NM-109	
THE FUNDAMENTAL FLAMMABILITY LIMITS OF THE DRY CARBON MONOXIDE FLAME INDIANA UNIVERSITY-PURDUE UNIV AT INDOPLS	TAM RICHARD	N 36 10/12/91 \$72,442	NACHMAN 92-NM-150	
ON FREE BOUNDARY PROBLEMS & EQUATIONS OF DYNAMICAL GEOMETRY ASSOCIATED WITH FLAME FRONT INDIANA UNIVERSITY-PURDUE UNIV AT INDOPLS	FRANKEL MICHAEL	N 36 13/12/91 \$90,979	NACHMAN 92-NM-154	

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PROPOSAL STATUS REPORT (1 OCT 91 - 31 DEC 91)
 AIR FORCE OFFICE OF SCIENTIFIC RESEARCH
 DIRECTORATE 1E PLANS AND OPERATIONS

PAGE 1

TITLE (CONT.)
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SPECIAL PROJECT TO FUND SCIENTIFIC AND TECHNICAL EXCHANGE VISITS
 TO US AND PHILLIPPS LAB (SACORELX) BY EAST EUROPEAN AND SOVIET SCI.
 NATIONAL SCIENCE FOUNDATION

INVESTIGATOR

ISRAEL

PRECISE TIME AND TIME INTERVAL APPLICATIONS AND PLANNING MEETING

NASA - GODDARD SPACE FLIGHT CENTER

GRANATA

RAYMOND

PRECISE TIME AND TIME INTERVAL APPLICATIONS AND PLANNING MEETING

U.S. NAVAL OBSERVATORY

FAULKNER

SHEILA

TYPE/CHGTS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PRG SAL #	INITIATE START DATE TOT AMT
11 12 07/10/91 \$31,500	A OWENS 92-XQ-002	\$31,500 01/10/91 \$31,500
11 08/11/91 \$5,750	A OWENS 92-XC-003	\$5,750 01/11/91 \$5,750
11 07/10/91 \$5,750	A OWENS 92-XG-001	